```
   1 ATGTCTTCCA AGAAGAATAG AAAGCGGTTG AACCAAAGCG CGGAAAATGG
  51 TTCGTCCTTG CCCTCTGCTG CTTCCTCTTG TGCGGAGGCA CGGGCTCCTT
 101 CTGCTGGATC AGACTTCGCG GCAACCTCCG GGACTCTGAC GGTGACCAAC
 151 TTATTAGAAA AGGATGACAA AATTCCTAAA ACATTCCAGA ATTCCCTTAT
 201 TCATCTTGGA CTCAACACTA TGAAGTCTGC AAATATATGT ATAGGTCGAC
 251 CAGTGTTGCT TACTAGTTTG AACGGAAAGC AAGAGGTGTA TACAGCCTGG
 301 CCTATGGCAG GATTTCCTGG AGGCAAGGTC GGCCTGAGTG AAATGGCACA
 351 GAAAAATGTG GGTGTGAGGC CTGGTGATGC CATCCAGGTC CAGCCTCTTG
 401 TGGGTGCTGT GCTACAGGCT GAGGAAATGG ATGTGGCACT GAGTGACAAA
 451 GATATGGAAA TTAATGAAGA AGAACTGACT GGTTGTATCC TGAGAAAACT
 501 AGATGGCAAG ATTGTTTTAC CAGGCAACTT TCTGTATTGT ACATTCTATG
 551 GACGACCGTA CAAGCTGCAA GTATTGCGAG TGAAAGGGGC AGATGGCATG
 601 ATATTGGGAG GGCCTCAGAG TGACTCTGAC ACTGATGCCC AAAGAATGGC
 651 CTTTGAACAG TCCAGCATGG AAACCAGTAG CCTGGAGTTA TCCTTACAGC
 701 TAAGCCAGTT AGATCTGGAG GATACCCAGA TCCCAACATC AAGAAGTACT
 751 CCTTATAAAC CAATTGATGA CAGAATTACA AATAAAGCCA GTGATGTTTT
 801 GCTGGATGTT ACACAGAGCC CTGGAGATGG CAGTGGACTT ATGCTAGAGG
 851 AAGTCACAGG TCTTAAATGT AATTTTGAAT CTGCCAGAGA AGGAAATGAG
 901 CAACTTACTG AAGAAGAGAG ACTGCTAAAG TTCAGCATAG GAGCAAAGTG
 951 CAATACTGAT ACTTTTTATT TTATTTCTTC AACAACAAGA GTCAATTTTA
1001 CAGAGATTGA TAAAAATTCA AAAGAGCAAG ACAACCAATT CAAAGTAACT
1051 TATGACATGA TAGGAGGATT AAGTAGCCAG CTGAAAGCAA TTAGAGAAAT
1101 AATTGAATTG CCCCTCAAAC AGCCTGAGCT TTTCAAGAGT TATGGAATTC
1151 CTGCCCCTAG AGGAGTGTTA CTTTATGGTC CTCCAGGTAC TGGAAAAACA
1201 ATGATCGCCA GGGCTGTTGC TAATGAAGTT GGAGCCTATG TTTCTGTAAT
1251 TAATGGTCCT GAAATTATAA GCAAATTCTA TGGTGAGACT GAAGCAAAGT
1301 TACGTCAGAT ATTTGCTGAA GCCACTCTAC GACACCCATC AATTATTTTT
1351 ATTGATGAGC TGGATGCACT TTGTCCGAAA AGAGAGGGGG CCCAGAATGA
1401 AGTGGAAAAA AGAGTTGTGG CTTCACTCTT AACACTGATG GATGGCATTG
1451 GTTCAGAAGT AAGTGAAGGA CAAGTGTTGG TTCTTGGGGC CACAAATCGC
1501 CCTCATGCCT TGGATGCTGC TCTCCGAAGA CCTGGGCGAT TTGATAAAGA
1551 GATTGAGATT GGAGTTCCCA ATGCTCAGGA CCGGCTAGAT ATTCTCCAGA
1601 AACTGCTTCG AAGGGTACCC CATTTGCTCA CTGAGGCTGA GCTGCTGCAG
1651 CTGGCAAATA GTGCTCATGG ATACGTTGGA GCAGACTTGA AAGTCTTGTG
1701 TAATGAAGCA GGTCTCTGTG CCTTGCGGAG AATCCTGAAA AAACAGCCTA
1751 ACCTCCCTGA TGTCAAGGTG GCTGGACTGG TGAAGATTAC TCTGGAGGAT
1801 TTCTTGCAGG CAATGAATGA TATCAGACCC AGTGCCATGA GGGAAATAGC
1851 AATTGATGTC CCAAATGTAT CCTGGTCAGA TATAGGAGGA CTGGAAAGTA
1901 TCAAACTGAA GTTGGAACAG GCTGTGGAAT GGCCCTTAAA ACATCCAGAG
1951 TCTTTCATTC GAATGGGTAT TCAGCCACCT AAAGGAGTTC TTCTCTATGG
2001 GCCACCTGGG TGCTCTAAAA CAATGATAGC AAAGGCTTTG GCCAATGAGA
2051 GTGGACTGAA TTTTCTAGCT ATAAAGGGGC CTGAATTAAT GAATAAATAT
2101 GTTGGTGAAT CTGAAAGAGC AGTTAGAGAG ACCTTCCGAA AAGCAAGAGC
2151 AGTGGCGCCT TCCATTATTT TCTTTGATGA ACTGGATGCC TTAGCAGTTG
2201 AAAGGGGCAG TTCTTTAGGT GCTGGGAATG TAGCCGATCG TGTTTTGGCT
2251 CAGCTCTTAA CAGAAATGGA TGGGATTGAA CAGCTAAAGG ATGTGACCAT
2301 TTTGGCAGCT ACTAACCGTC CAGATAGGAT AGACAAGGCT TTGATGCGGC
2351 CTGGAAGAAT TGATAGAATC ATCTATGTGC CTTTACCGGA TGCAGCAACA
2401 AGAAGGGAAA TATTTAAGCT GCAGTTTCAC TCCATGCCTG TCAGTAATGA
2451 AGTTGACCTG GATGAACTCA TCCTTCAAAC CGACGCATAC TCAGGAGCAG
2501 AGATTGTAGC TGTCTGCAGA GAGGCAGCTC TTCTGGCTCT GGAAGAAGAC
2551 ATTCAAGCCA ATCTCATCAT GAAAAGACAT TTCACTCAGG CCTTGAGCAC
2601 TGTGACACCT AGAATTCCTG AGTCATTGAG ACGTTTTTAT GAAGATTATC
2651 AAGAGAAGAG TGGGCTGCAT ACACTCTGA  (SEQ ID NO:1)
```

FEATURES:
Start Codon: 1
Stop Codon: 2677

FIGURE 1A

HOMOLOGOUS PROTEINS:
Top 10 BLAST Hits:

				Score	E
CRA|18000005197945	/altid=gi|10946660	/def=ref|NP_067318.1|	(NM...	1395	0.0
CRA|98000043618036	/altid=gi|12847023	/def=dbj|BAB27406.1|	(AK0...	1392	0.0
CRA|83000031771150	/altid=gi|14602090	/def=ref|NP_148637.1|	(NC...	595	e-168
CRA|335001098642471	/altid=gi|11498895	/def=ref|NP_070126.1|	(N...	593	e-168
CRA|50000098922782	/altid=gi|15669345	/def=ref|NP_248150.1|	(NC...	591	e-167
CRA|83000031770426	/altid=gi|14601365	/def=ref|NP_147901.1|	(NC...	590	e-167
CRA|223000018401032	/altid=gi|18159541	/def=gb|AAL62959.1|	(AE0...	588	e-166
CRA|18000005144849	/altid=gi|7490056	/def=pir||T40537 AAA famil...		581	e-164
CRA|50000098926394	/altid=gi|15679634	/def=ref|NP_276751.1|	(NC...	578	e-163
CRA|223000002644325	/altid=gi|15920392	/def=ref|NP_376061.1|	(N...	576	e-163

Blast hits to dbEST:

CRA Number	gi Number	Score	Expect
CRA|46000021337349	gi|9791981	1170 bits (590)	0.0
CRA|46000021359662	gi|9794006	1015 bits (512)	0.0
CRA|1000490140751	gi|5339414	888 bits (448)	0.0
CRA|3000001162535	gi|3086717	839 bits (423)	0.0
CRA|3000001146260	gi|3070203	704 bits (355)	0.0
CRA|156000059690462	gi|10568861	624 bits (315)	1e-176
CRA|46000021357847	gi|9793841	500 bits (252)	1e-138
CRA|3000001604381	gi|2656600	472 bits (238)	1e-130

EXPRESSION INFORMATION FOR MODULATORY USE:
library source:

gi Number	Organ	Tissue Type
gi|9791981	(none)	pooled germ cell tumors
gi|9794006	(none)	pooled germ cell tumors
gi|5339414	kidney	kidney tumor
gi|3086717	(none)	pooled germ cell tumors
gi|3070203	(none)	pooled germ cell tumors
gi|10568861	brain	primitive neuroectoderm
gi|9793841	kidney	
gi|2656600	Liver and Spleen	

FIGURE 1B

```
  1 MSSKKNRKRL NQSAENGSSL PSAASSCAEA RAPSAGSDFA ATSGTLTVTN
 51 LLEKDDKIPK TFQNSLIHLG LNTMKSANIC IGRPVLLTSL NGKQEVYTAW
101 PMAGFPGGKV GLSEMAQKNV GVRPGDAIQV QPLVGAVLQA EEMDVALSDK
151 DMEINEEELT GCILRKLDGK IVLPGNFLYC TFYGRPYKLQ VLRVKGADGM
201 ILGGPQSDSD TDAQRMAFEQ SSMETSSLEL SLQLSQLDLE DTQIPTSRST
251 PYKPIDDRIT NKASDVLLDV TQSPGDGSGL MLEEVTGLKC NFESAREGNE
301 QLTEEERLLK FSIGAKCNTD TFYFISSTTR VNFTEIDKNS KEQDNQFKVT
351 YDMIGGLSSQ LKAIREIIEL PLKQPELFKS YGIPAPRGVL LYGPPGTGKT
401 MIARAVANEV GAYVSVINGP EIISKFYGET EAKLRQIFAE ATLRHPSIIF
451 IDELDALCPK REGAQNEVEK RVVASLLTLM DGIGSEVSEG QVLVLGATNR
501 PHALDAALRR PGRFDKEIEI GVPNAQDRLD ILQKLLRRVP HLLTEAELLQ
551 LANSAHGYVG ADLKVLCNEA GLCALRRILK KQPNLPDVKV AGLVKITLKD
601 FLQAMNDIRP SAMREIAIDV PNVSWSDIGG LESIKLKLEQ AVEWPLKHPE
651 SFIRMGIQPP KGVLLYGPPG CSKTMIAKAL ANESGLNFLA IKGPELMNKY
701 VGESERAVRE TFRKARAVAP SIIFFDELDA LAVERGSSLG AGNVADRVLA
751 QLLTEMDGIE QLKDVTILAA TNRPDRIDKA LMRPGRIDRI IYVPLPDAAT
801 RREIFKLQFH SMPVSNEVDL DELILQTDAY SGAEIVAVCR EAALLALEED
851 IQANLIMKRH FTQALSTVTP RIPESLRRFY EDYQEKSGLH TL  (SEQ ID NO:2)
```

FEATURES:
Functional domains and key regions:
Prosite results:
PDOC00001 PS00001 ASN_GLYCOSYLATION
N-glycosylation site
Number of matches: 5

1	11-14		NQSA
2	16-19		NGSS
3	332-335	NFTE	
4	622-625	NVSW	
5	682-685	NESG	

PDOC00005 PS00005 PKC_PHOSPHO_SITE
Protein kinase C phosphorylation site
Number of matches: 18

1	2-4		SSK
2	73-75		TMK
3	148-150	SDK	
4	246-248	TSR	
5	260-262	TNK	
6	294-296	SAR	
7	328-330	TTR	
8	397-399	TGK	
9	442-444	TLR	
10	498-500	TNR	
11	597-599	TLK	
12	633-635	SIK	
13	704-706	SER	
14	711-713	TFR	
15	771-773	TNR	
16	800-802	TRR	
17	869-871	TPR	
18	875-877	SLR	

PDOC00006 PS00006 CK2_PHOSPHO_SITE
Casein kinase II phosphorylation site
Number of matches: 17

1	26-29		SCAE
2	148-151	SDKD	
3	207-210	SDSD	
4	221-224	SSME	
5	226-229	SSLE	
6	235-238	SQLD	
7	273-276	SPGD	
8	294-297	SARE	
9	303-306	TEEE	
10	334-337	TEID	
11	478-481	TLMD	
12	544-547	TEAE	
13	597-600	TLKD	

FIGURE 2A

```
        14      624-627  SWSD
        15      754-757  TEMD
        16      800-803  TRRE
        17      831-834  SGAE
```

PDOC00007 PS00007 TYR_PHOSPHO_SITE
Tyrosine kinase phosphorylation site
```
                316-323  KCNTDTFY
```

PDOC00008 PS00008 MYRISTYL
N-myristoylation site
Number of matches: 14
```
        1       36-41            GSDFAA
        2       107-112  GGKVGL
        3       121-126  GVRPGD
        4       199-204  GMILGG
        5       287-292  GLKCNF
        6       314-319  GAKCNT
        7       355-360  GGLSSQ
        8       396-401  GTGKTM
        9       411-416  GAYVSV
        10      484-489  GSEVSE
        11      521-526  GVPNAQ
        12      629-634  GGLESI
        13      670-675  GCSKTM
        14      736-741  GSSLGA
```

PDOC00013 PS00013 PROKAR_LIPOPROTEIN
Prokaryotic membrane lipoprotein lipid attachment site
```
                17-27            GSSLPSAASSC
```

PDOC00017 PS00017 ATP_GTP_A
ATP/GTP-binding site motif A (P-loop)
```
                393-400  GPPGTGKT
```

PDOC00572 PS00674 AAA
AAA-protein family signature
Number of matches: 2
```
        1       492-510  VLVLGATNRPHALDAALRR
        2       765-783  VTILAATNRPDRIDKALMR
```

Membrane spanning structure and domains:

Helix	Begin	End	Score	Certainty
1	32	52	0.667	Putative
2	96	116	0.614	Putative

FIGURE 2B

BLAST Alignment to Top Hit:
>CRA|18000005197945 /altid=gi|10946660 /def=ref|NP_067318.1|
        (NM_021343) spermatogenesis associated factor [Mus
        musculus] /org=Mus musculus /taxon=10090 /div=ROD
        /dataset=nraa /length=892
        Length = 892

Score = 1490 bits (3814), Expect = 0.0
Identities = 759/893 (84%), Positives = 813/893 (90%), Gaps = 1/893 (0%)
Frame = +1

Query: 1   MSSKKNRKRLNQSAENGSSLPSAASSCAEARAPSAGSDFAATSGTLTVTNLLEKDDKIPK 180
            MSSKKNRKR + AE S   SAA S +   P A   AA G L VTN LEKD K+PK
Sbjct: 1   MSSKKNRKRQKEGAEGASPSLSAAPSRSGTSTPFAQPSPAAP-GMLVVTNFLEKDGKVPK 59

Query: 181   TFQNSLIHLGLNTMKSANICIGRPVLLTSLNGKQEVYTAWPMAGFPGGKVGLSEMAQKNV 360
            TFQNSL+HLGLNTMKSANICIGRPVLLTSL+GKQEVYTAWP+AGFPGGKVGLSEMAQKNV
Sbjct: 60   TFQNSLVHLGLNTMKSANICIGRPVLLTSLDGKQEVYTAWPVAGFPGGKVGLSEMAQKNV 119

Query: 361   GVRPGDAIQVQPLVGAVLQAEEMDVALSDKDMEINEEELTGCILRKLDGKIVLPGNFLYC 540
            GVR G+ IQVQPL+GAVLQA+EMD+ALSDKD EINEEELTGCILRKLDGKIVLPGNFLYC
Sbjct: 120   GVRAGETIQVQPLLGAVLQAQEMDLALSDKDKEINEEELTGCILRKLDGKIVLPGNFLYC 179

Query: 541   TFYGRPYKLQVLRVKGADGMILGGPQSDSDTDAQRMAFEQSSMETSSLELSLQLSQLDLE 720
            TFYGR KLQVL++VKG DG LG PQS S TDAQ MA E SSME S ++LS QLSQLDL+
Sbjct: 180   TFYGRLCKLQVLQVKGTDGTTLGKPQSASGTDAQGMASEHSSMENSDVDLSFQLSQLDLK 239

Query: 721   DTQIPTSRSTPYKPIDDRITNKASDVLLDVTQSPGDGSGLMLEEVTGLKCNFESAREGNE 900
            + Q P+S+STP KP +DR NKA +VLLDVTQSP DGSGL LEE TGLKC+F+S++EGN
Sbjct: 240   EPQSPSSQSTPCKPTNDRTVNKAGEVLLDVTQSPRDGSGLGLEESTGLKCSFDSSKEGNT 299

Query: 901   QLTEEERLLK-FSIGAKCNTDTFYFISSTTRVNFTEIDKNSKEQDNQFKVTYDMIGGLSS 1077
            Q EE+LLK S G K NTDTFYFISSTTR+N +I NSKEQD+QFKVTYDMIGGL+S
Sbjct: 300   QPVSEEKLLKPASAGTKSNTDTFYFISSTTRINLRKICTNSKEQDSQFKVTYDMIGGLNS 359

Query: 1078 QLKAIREIIELPLKQPELFKSYGIPAPRGVLLYGPPGTGKTMIARAVANEVGAYVSVING 1257
            QLKAIREIIELPLKQPELFKSYGIPAPRG+LLYGPPGTGKTMIARAVANEVGAYVSVING
Sbjct: 360   QLKAIREIIELPLKQPELFKSYGIPAPRGLLLYGPPGTGKTMIARAVANEVGAYVSVING 419

Query: 1258 PEIISKFYGETEAKLRQIFAEATLRHPSIIFIDELDALCPKREGAQNEVEKRVVASLLTL 1437
            PEIISKFYGETEA+LRQIFAEATLRHPSIIFIDELDALCPKREGAQ+EVEKRVVASLLTL
Sbjct: 420   PEIISKFYGETEARLRQIFAEATLRHPSIIFIDELDALCPKREGAQSEVEKRVVASLLTL 479

Query: 1438 MDGIGSEVSEGQVLVLGATNRPHALDAALRRPGRFDKEIEIGVPNAQDRLDILQKLLRRV 1617
            MDGIGSE SEG+VLVLGATNRP ALDAALRRPGRFDKEIEIG+PNAQDRLDILQKLLRRV
Sbjct: 480   MDGIGSEGSEGRVLVLGATNRPQALDAALRRPGRFDKEIEIGIPNAQDRLDILQKLLRRV 539

Query: 1618 PHLLTEAELLQLANSAHGYVGADLKVLCNEAGLCALRRILKKQPNLPDVKVAGLVKITLK 1797
            PHLLT+AELL+LAN+AHGYVGADLK LCNEAGL ALRR+L+KQPNLPD KVAG+VKITL
Sbjct: 540   PHLLTKAELLRLANNAHGYVGADLKALCNEAGLHALRRVLRKQPNLPDSKVAGMVKITLN 599

Query: 1798 DFLQAMNDIRPSAMREIAIDVPNVSWSDIGGLESIKLKLEQAVEWPLKHPESFIRMGIQP 1977
            DFLQ MNDIRPSAMRE+AIDVPNVSWSDIGGLE+IKLKL+QAVEWPLKHP+SF RMGIQP
Sbjct: 600   DFLQGMNDIRPSAMREVAIDVPNVSWSDIGGLENIKLKLKQAVEWPLKHPKSFNRMGIQP 659

Query: 1978 PKGVLLYGPPGCSKTMIAKALANESGLNFLAIKGPELMNKYVGESERAVRETFRKARAVA 2157
            PKGVLLYGPPGCSKTMIAKALANESGLNFLAIKGPELMNKYVGESERAVRE FRKARAVA
Sbjct: 660   PKGVLLYGPPGCSKTMIAKALANESGLNFLAIKGPELMNKYVGESERAVREIFRKARAVA 719

Query: 2158 PSIIFFDELDALAVERGSSLGAGNVADRVLAQLLTEMDGIEQLKDVTILAATNRPDRIDK 2337
            PSIIFFDELDALAVERGSS GAGNVADRVLAQLLTEMDGIEQLK+VT+LAATNRPDRIDK
Sbjct: 720   PSIIFFDELDALAVERGSSSGAGNVADRVLAQLLTEMDGIEQLKNVTVLAATNRPDRIDK 779

FIGURE 2C

```
Query:  2338 ALMRPGRIDRIIYVPLPDAATRREIFKLQFHSMPVSNEVDLDELILQTDAYSGAEIVAVC 2517
             ALMRPGRIDRIIYVPLPDAATRREI  LQFHSMP+SNEVDLDEL+LQTD YSGAEI+AVC
Sbjct:  780  ALMRPGRIDRIIYVPLPDAATRREILNLQFHSMPISNEVDLDELVLQTDTYSGAEIIAVC 839

Query:  2518 REAALLALEEDIQANLIMKRHFTQALSTVTPRIPESLRRFYEDYQEKSGLHTL 2676
             +EAALLALEE+I+A+ IMKRHFT+ALS VTPRIPESLRRFYEDYQEKSGLHT+
Sbjct:  840  KEAALLALEENIKADCIMKRHFTEALSIVTPRIPESLRRFYEDYQEKSGLHTV 892  (SEQ ID NO:4)
```

Hmmer search results (Pfam):
Scores for sequence family classification (score includes all domains):

Model	Description	Score	E-value	N
PF00004	ATPases associated with various cellular act	603.4	1.3e-177	2
PF01057	Parvovirus non-structural protein NS1	23.0	5.4e-06	2
PF00910	RNA helicase	14.5	0.005	2
PF01695	IstB-like ATP binding protein	6.6	1.4	1
PF00158	Sigma-54 transcription factors	6.4	1.1	1
PF00580	UvrD/REP helicase	4.8	1.1	1
PF01745	Isopentenyl transferase	3.3	6.3	1
PF01202	Shikimate kinase	3.3	8.9	1

Parsed for domains:

Model	Domain	seq-f	seq-t		hmm-f	hmm-t		score	E-value
PF01695	1/1	389	405	..	52	68	..	6.6	1.4
PF00158	1/1	389	406	..	25	42	..	6.4	1.1
PF01202	1/1	387	408	..	1	22	[.	3.3	8.9
PF01745	1/1	386	412	..	1	27	[.	3.3	6.3
PF01057	1/2	389	413	..	172	200	..	15.5	0.0009
PF00910	1/2	389	413	..	126	150	..	13.1	0.012
PF00580	1/1	524	554	..	700	731	.]	4.8	1.1
PF00004	1/2	388	576	..	1	220	[]	288.9	6.3e-83
PF01057	2/2	663	681	..	172	194	..	7.9	0.16
PF00910	2/2	663	682	..	126	145	..	1.4	22
PF00004	2/2	662	848	..	1	220	[]	320.7	1.7e-92

FIGURE 2D

```
   1 CAAGCTTTCT TATCATTGGG CTCAAGGTTG AAAGCCAGTA AAAAGTTTTC
  51 TTATTGAAGA CTGAAACCAC CCACCACCGT CCCTGGTTAA TCATAAAAGA
 101 AGCGTTATTC TAAAAAACTC CAGTTCTCGC TGAGACAGCT GTTGACCCAA
 151 TTTGTATACA AATGTGACAC TCTGAACCTC TCTGGTTTAG TATTTGATAG
 201 CCCAACAGGG TGACTATATT CAATAAAGAT TCAGGCTGGG TGCAGTGGCT
 251 CCTGCCTGTA ATCCCAGCAC TTTGAGGGGC CAAGGCGGGA GAATCAGTTG
 301 AGCCCGGGAG ACTGAGACCA GCCTGGGCAA CACAGTGGAGA CACCGTTTCT
 351 AGAAAAAATA GAAAAAAGCC AGATGCGCGC CTGTAGTCCT AGCTACCCAG
 401 GAGGCTGAGG TGGGAGGATT GCTTGAGCTC AGGGGTTGGA GGCTGCAGTG
 451 AACCCTGATC CTACCACTGC ACTCTAGCCT GGGAGACAGA ATGATACCCT
 501 CTCTCAAAAA AAAAAAAAAA AAAAAAAAAA ACTGTACATT TAAAAATAAC
 551 TAAGAGTAAC TGGATTATGG TTGAATGCTT GTGGTGATGA GTATCTCATT
 601 TACCCTGATG TAATTATTAC ACATTTATAC CTCTATCAAA ATAGCTCATA
 651 TACCCCATAA ACATACACAC CTACTATGGA CCCACAAAAA TTAAAAATAA
 701 AAAAGAAAAG CCTCTTTGGT CCACTCAGTC CACCACCCGT ATTAGAATGT
 751 AAGAGTTTTT TTCCTTGGGA AAAGTGTCCG ACAGAACCAA GGCTCGGTAA
 801 AGGATACTAA TAATGTAATA ATATAATATT AACAAACATC TACTGAGCTT
 851 TAAATACGTG GCAGGCACTG TGCTGTGCAC TTTATGTGCA TTATCCAAAT
 901 TAACTCTCAG TAATTCCAGG AGTTCTTATC ACCGGGGTCT GTGGAAGAGG
 951 AAATGGTGGT TTACGGCAAT TTCCGAATGT CGCACAGTAG AAAGTGGACC
1001 AGCAACCAGG GTTGCAGATC CCAAAGTCCG GGATCTTCAC CATTTCACCC
1051 AACCGCCTTA GAGACCTCCC AGCAAAAGGT CTAAGCACGA ATGCTCCAGA
1101 AAACAGGTCC AGGTCACGCG TGCCTTCTCC CTTTCCCTCT GGGCTCGACA
1151 GTGGTGCACA GAGCGACTAG GGAGTGGGGG CCGCGGTTAT TTCATTAGAA
1201 AAGCTCTGGA GCCCCGGGAG CCCTTCGTCC CAGGCGCACT TGCCCTGCAA
1251 GCCCTTCTGG AAGGCGGCAG CGTCCAGGCG GTCCAGCGCA TCGAGCCGCG
1301 CCAGGCGCAC CGAGATGCCC CCGAATCTGT CCAGCTCGCC CTGCAGATCG
1351 CACGCTCCAA CTGGCGGATT CCGCACGTAA CCCTGTGCGC CCGAGGCCCA
1401 GCGGTAACCC GCCGAAGGCC CGGGGCCGTA GGTTCGGGCA AGCATCGCGC
1451 GCCAGCGGCC CCAGCTCAGC GGCTGCCGCA TCTCCACGCC GCTTAATTCG
1501 TCCGTTGCCC AAATGACCCC TCCGCGCTCC AGAGCGGAGA TCGCGGCCGT
1551 ACATTTTAGA AGAGTGCCAT CAATACCCTC AGAGTTGAGC TGGGGTTACC
1601 ACTCTGCAGA GCTATGCCAA GGAGACCGCG AAGTGGTCCA CCAGCCCTTC
1651 TCAGCAATTT GCCCCGCTCC AGTTAAGCGG GGAAAACCTC CTCCCCCACC
1701 GCCACTCACT TATTTTGTTT GGTAGTTTAA TTCAACAGAC GTTGGTTTAG
1751 GGATGGGGAA GCCGGGAGGA GATGCAAAAA CGTCCTGTTT TTCAGGAATT
1801 TACAATCTAA GTGGCAGTTC CGTTCCTGGA ACCTATCTTC TTTCACAGAT
1851 GCCGTTACAG CTGTTTCAAA GACTGCTGGT TTTGAAAACG CTCAGTCCCT
1901 CCCACCACGC TGTGCACTGC TGCGCTCCAC TCAGGGGATT ACGGCGCAGG
1951 GGCGGACCCT CGCTGACTTC TGCCCCGGAA GTTTTTCTCT CAGTTGAAGC
2001 GCGCACATTG AGTCGGCTTT TCTACTGCTT CGGCTAGGGT ACCTTGTGAC
2051 CATGTCTTCC AAGAAGAATA GAAAGCGGTT GAACCAAAGC GCGGAAAATG
2101 GTTCGTCCTT GCCCTCTGCT GCTTCCTCTT GTGCGGAGGC ACGGGCTCCT
2151 TCTGCTGGAT CAGACTTCGC GGCAACCTCC GGGACTCTGA CGGTGACCAA
2201 CTTATTAGAA AAGGGTAAAG AATTCCGGGT GGGAGACTAG AGGCCGAGGG
2251 GGCGCAACCT GAGGGGCGGG AGACTCAGTG ATACTGACTT GGGGTGCAGA
2301 GACTTTTGAA AGTTGGGCGT GGCATGGGTC TGAGAGCGGC ACAGAAGCGT
2351 GTAAGACTTC TGTATGTAAG AAGCATGCAA ACGTAGCCGC GCCTGCACTG
2401 GAGAAGTTAG GCTGAAATGG TTTATCCGTG TCCAAGGTTT CTCTTTTGTA
2451 AATTATTTTG AATTTTTAAG TTGCACTTGA AACGCTTTGT CTCATTTAAC
2501 ATTAACGACA CATTTAATTG CAAAATTGTT CATAACTAGC GAACATGGGA
2551 TACTTATCCT AAAAAACTAA ATAACCAATT CAGTAAAAAT GTGGATCACT
2601 CTGCCTTTAG GAGTGATGAT AGCATTTTCT TCCAGTACTA CGCAGGTTAT
2651 GATATTTAAT AACTGCTAGT AACTGCACAC TAGTGTTAGC AGTATATATA
2701 GCTCATCTAA TTTCTACAGA AGCCGTGACC GATGGGTATA GTAATGACAG
2751 TTTTATAGAG GGAGGAAAGT TAACGTGATT CCATTCAGGC TACACAGGTG
2801 CTAAGTGGCA GAGCCGATAT TTGAGTCCAG ATGTGTTTGA CTTAAAAGCC
2851 ATTCCTAGAT GACAGCTCCT TTGATTTGGG AGAACGTATT TATACTGAAA
2901 AGTCTTATAA ATTGAATTAA AAATTGAAAA TTTATATTTG ATGTGTAATA
2951 GCTTTGAAAA ATGGACCAGA CTAGTGGCAA AAACTTTTAT GTCTAATCAG
3001 ACCTTAAAGA CAATTTAGAG TTCACATGGT ATTTTCACTC TGCCTTAGGT
3051 ATCAGAGGAC AACTTGTTCT GTCCTGAAGG TTCAACTTGT TTTTGAACTA
3101 GATCCTTCCC ATTGACATGT AAACATGCTC ATTTCTCTTC CATCTTAAAT
3151 CAGAACAAAA GCTCCACATT TTCTTCCTGC AACCGTCTCT CTATCCATTG
3201 CCAAGCTTCT TAAATGGAGT GGTCTCTGCC GCCTCACCAC TTACATACTC
3251 TCCCTAGCCT ATTCCTCTTT GACTTCCACC CCATCATTCC ATGGAAACTG
3301 TTCCTGGTGT GGTCTCCGAG CATCTCCGTG TTGATAAACC TTACGTGACC
3351 ACAGCAACTT TTGGTATTGT TGACCATTCC CTCCTTCTCG AAACACTTAA
3401 CTTCTTATGT GTTGTCAAAC TTGCCTGGTT TTCTTCATCT TTGTTGATGT
3451 TTCATCATTT TTCTTTGCAG GCTCGTCCTC TTCCCTTGAC CATTAAATGT
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FIGURE 3A

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3501 TGAAGTTCGT CAATTCTTAG TCCAAAACCT TTTTTTTCCT CTCAATAAAT
3551 CCTGTCTCCT TGGCAAGTTC ATCCAGTGCC CAGAGTTTCC CATCTATAGT
3601 CTCTTCAGTG TCAGATTTAT ATTTGTAAAT CTTTTGTTTT TGCGCCTTGA
3651 TGTGGTTGCC TTTTAGCCAA ATGCTTCTCA AGCTCTCTGT GGTGAAGACT
3701 TTAAAATTTA TAATAGGTCA CAGATCGGCA CTTTTCTAAA ATACAGTAAA
3751 AATGATTTTC TAGAAAAATA AGGAAAAATT TTTATTAAAC AGATGTGAAA
3801 TTACTCTGTA AATTTCAATA AAAGCTTCTA TATACTTATT CTCCTGTTTT
3851 GTACTTGTCA TGAAGCAGTA ACAAATCGTT GTGGGTCATA TTTTGAATAG
3901 CACTGTACAA TAACTCTTCT CATGAGTGTC CCAAAGATAC TTCAGGACTA
3951 ACTTCATGAG CCCGTTATTT CCTCCAACAA AATAAACTTC AACTCTGTTC
4001 AGTTTTTCCC GCTGCAAATT CAGAAACCTA AGAGTCATCC ATGACTCTCC
4051 CCCCCCATATC TCACATACCT AGTCCACCAC TAAATCATGT TATTACCTAA
4101 ATATTTTACA TATTCCTCTT CTGCATGCCA TTCCCACTGT TTCTACCTTA
4151 ATTTCAGACA CCATCATCTC TCACCTGGAC TGCTACAACA GCCTTTTGAC
4201 TGATTTTCCA GCTTCCAATT TTGCCCCTTA TTCCTTTTCC ATTCTGCAGC
4251 CAGAATGATC TTGTAAGATG AAGATCTTGT CATGACATTG CTTTTCATCC
4301 CTTTCTGGGC TCCCACTGCT GTCAGAGTAA TGACCAGCAT CTTGATGCAG
4351 CCTATTGCAC TATTGTCCTG GGTGGTCTTG ACCTTCTTTA CATGGCTTCC
4401 CTATGTCTCC ACCACTCTGC CTATACTCTC CTGAGGATGC GCCATACCCC
4451 CTTCTGCCCA GGAACTTTGT ACATGCTGTC CTCTTTGCTG AGAATTATCT
4501 TTTTCTTCTC CTCATTTAGT TAGTTCCTAC TCTTCTTTCA GACCTGATCT
4551 TAACATCACT TCCTTTGAGA AACATTCTCT TATTTGAAAT TAGGTCAGAT
4601 CCCACATGGC TCTCCTGGCA CTCTAAGTCA TTTTTTCATT GTATTAATCT
4651 TAGTTTATTA TTTTACAGCT ATCCACTGAT TGTTAATAA CTCACTCATC
4701 CTACAAGGCT ATAAACTCTG TGAGACCAAG GACTTGTGAA CAAAAGTGCC
4751 TAGCATAGTA TCTTTCATAT AGTAGGCACA TAGTACATAT TTGCTGAATG
4801 AATAAATGAA GGGTGGATGG TTGTTTGAAA TTATCTTTAC TATCTTGTTA
4851 GTTAATGTGA TACTTAAGGT GCTCAATAAA TGTGAAAGTA GTTAATGGGG
4901 AAATTAGATG TTGACATATT TTTAAAGTAT TGGAGGAGTG AGGTGAGAAG
4951 GGAACTGTGT GGACAACTTG AGTAGACCTA TATAGTGTAA GCAGAGAACA
5001 CGTTGGTGAT GTTTTGGAAA ATGAGACCAG TGGCTGGGAA TTTGAACATG
5051 ATTACCATTG AAAGACAAGG TGGAGAATAA ATCCTGGGAC ATGGAGAATG
5101 TGCTGGATAG GGTGGAAGGA GAAGAAGAAA ACTAAAGTCT TGGGAAGGAC
5151 TGAGAACACT TGTGTGGTAA TTGTCAAGAG GGAAAGATAG TTCATTGAGG
5201 TTTAGGAAGA AAGAGGCAGG AACTGAATAT TATGGAATCA TCTAACAGGA
5251 GTATGCTTTA CTGTTAATGA CCAGCAAACA ATGTAAGACA ACTAATGCTC
5301 ATTGGAAGGT TGAATTTCTG TCCAGCTTCT TGTATTATGC AGTATGTGTT
5351 CATTTCGTTT TATACTCAGT GCTGTTCATC TTAGCTCTGT GAGATGCTTT
5401 GTTTTTCTAG ATTTGCACCT CATATAAGAA GGAAAAGAAA TGTGTTGGGG
5451 AGTTGTTTTG TAGTGACAGA ATAATGTAAA TCATATGGGT ACCTTATGGT
5501 TTTCCTTTCC TTGATTTAAT TTCTTTTTTA TTACAGAATA TCTGTTTTCT
5551 GATTATTAAG GAAAACTTAG GTAGAGCTCT GTGATTATGG TATATATGTT
5601 TACAATAAAT TTTATAATGA AGTTGTGACA TTTTTAAATT CTCTAAGTGT
5651 TTCATAGATT TTGTGCTGAA AAGAAAACCA TTGTATACTT ATTTACTACA
5701 TTTATTCATT TTATGGCTAT TTATTGTGCA ACTGCTATAT TTAATGCACT
5751 GTAAGCATTG GAGATACAGA GAGAAATAGG ACCCAATTCC TGCTTCAAAG
5801 CAGTATACAA TTAAGGAGAA AGACTAAAAC AAATGAATAT TATGGTAAAT
5851 GCTATTAACT GGCAGCACAG AGTGCTGGAG GAATTAGAGG AGGGACACCT
5901 AACTAAATAT GGAGCTTGGT GGGGGTGGGG TGGATAGAAA GGAGTGGAGA
5951 TGACAGCACA TCATTTTCAG AGGTGTTGTT AACTGGCCTG AATTCTGGAC
6001 CCCCTTTTTC AGCCAAAAGT TGAAATCACT AGTGGTGTGT GTTCGTATAA
6051 GGAAGACGAC TTCTGTTACT ATCTTTACGT ATTCTTGGTA ATACAAAAGA
6101 AAAAGATCTG GTGACCATAA TGTGGGGGCAG CAGTAGAAAC ATAACTTAAT
6151 CCTCTAGAGC CAGATAGATG TGCCAGTTCC CAGTTCAATC CTTTGAATAC
6201 TAGTAGCTGA CTCAACTTTG AACTTAAAGC TCAGAGACTC TCTTTTGCAA
6251 TTATGTTTAC TTCTTAATGA AATTAGAGAC TCAGAAAAAA AGAAACCAAT
6301 ACTCACCCCA TAAAACATCT TCTTTTTAGT TAATACTTAA TATGTTGCCA
6351 GTAGACCCTC AAAAGCATTT GATTTTAAAT CTGTTTTGTT ATAACAAAAG
6401 TTGGAACACT AGTTTCTCCA GGGTATGGTA AGTACATTCA TGTGGTTATA
6451 TGGTTAGAGT ATTTTTATTT ACTGCAAAAG AAAGCATGCC TTAACTTCTG
6501 TTACAAAGTA GTACAAAAAT AATTTTCTTT TCCTTCATAG TAGATGACAA
6551 AATTCCTAAA ACATTCCAGA ATTCCCTTAT TCATCTTGGA CTCAACACTA
6601 TGAAGTCTGC AAATATATGT ATAGGTCGAC CAGTGTTGCT TACTAGTTTG
6651 AACGGAAAGC AAGAGGTAAG AGTCTTTTTC ATTTCCTTAG TTTAGAAATA
6701 CAAACTGAAC ATTGCAAATC CAAGAATCTA AACTCTGAAA TGCTTTTGAG
6751 TGCCATGGTA GTCAAAGGAA ATGCTCATTG GAACATTTTG GATTTCAGAT
6801 TTGGGATGCT TAGCCAGTAA ACATAAGGCA AATATTCCAA AATGGAAAAT
6851 TCAAAACGCT CCTGGTCCCA AACATTTTGG ATAAGGGATA CTCAACCTGT
6901 GTTTGAGATG TTTCTGATTT TAATTTTCAA CACAAGCAGG AATAAATGAA
6951 AAACTGTATT TTAAAAGACA TTAACATGTA TATTAACTCT GTTCCTTTGC
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FIGURE 3B

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 7001 TGTCTATGAC TCTGCTGGGC ATAGTAGCCC CTAAAATGTT ATGTAGAGAG
 7051 AAGTGTTGCC TCCGGCGATA GTGACAGTAT TTCTCCCTGT CAGTTAGTTA
 7101 TATTTCTTTA TAAAAATATT ATTTTGGGGG TAAGAAGGTC ACCTGTTCTG
 7151 TATATAAATA TTTTACTATT CTCCCTTGTT TCAGCTGTTT CTCCTTGCTG
 7201 TCATTTTTCA TACCTGAGAT TCTAAGCCTG GAACCTTTCC TGGATCATTT
 7251 TTGGCAGCTT GGCTTTCTTT TCTGCTACCA GCCCCTTATC TTTCATGGCT
 7301 TCCTTTGATG CTTCTCTGAT TTGCTGGGGA TCCTTTGGAA ATACTTTGAA
 7351 ATTTTTTGTC TGCTGATGGC ACCCCCTCCTA TTCTTTTTCAT TTTTCTGGCT
 7401 TATGCTTTAA AGGTCCTTTA CTGTGTCTTT TAGAAGAGAG GACTATAAAT
 7451 GTGTGAGCTT AAGCTAGAAA TTTTCGCTCC TCCCTCTTAA CATTTAAATC
 7501 TGATAAGACC CAGGTTCTGA CAAAGCTCTT GTTCTGTGTC CCTCACTATT
 7551 TCCTGGATGT AGTTTAATTT CCAGGCTGGA TTACTTTACA AGTTATTTTG
 7601 CCTTAATATT TTTGTCATTT TCTCATTATC ACCTGTTAAT GCCTTTATCT
 7651 TTTTTCATAT ATTTTTCATA TCTTCTACCG TCTTCACTGT GGGATCATTC
 7701 TTGATCTTTA GAAAAAGATG TAATATTTAT TAAAAAGTTT ATTTTTCATG
 7751 AGCCCATGTA GTATTTAAAT TTTTTAAAAA ATGCAATTTA TCTTATTGCA
 7801 ATTGGTATCA GATTGTAACT CTTTTTGGGT AAAGACTGTA TTTTGCATAT
 7851 CTTAAGTGCT TGACTGTGCT TAGCATTCTA CCTTATAAAT TGATGTGATT
 7901 CTATGTAATAT TTATTTTCTA ACATTTTTAT TTCCTCTGTC TGGCAGGTGT
 7951 ATACAGCCTG GCCTATGGCA GGATTTCCTG GAGGCAAGGT CGGCCTGAGT
 8001 GAAATGGCAC AGAAAAATGT GGGTGTGAGG CCTGGTGATG CCATCCAGGT
 8051 CCAGCCTCTT GTGGGTGCTG TGCTACAGGC TGAGGAAATG GATGTGGCAC
 8101 TGAGGTTTGG CTCTTTTCTT TGGTGACTAT CTGGATCAAA GCTGCCCAGT
 8151 AGAAATATAA GAGTCACAAA TGTAAACCAC ATATGTAATT TTGCATTTTC
 8201 TTGTAACATT TTAAAAAGTA GAGAGAAACA GGTACAATGA ATTACAATAG
 8251 TATGTTTTAT TTAACCAGTA TATATAAAAA TGTATTTTAA CATGTAATTA
 8301 TAAAAAATTA CCAATAAGGG CTGGGCGCGG TGGCTTATGC CTGTAATCTC
 8351 AGCACTTTGG GAGGCCGAGG TGAGTGGATT ACTTGAGCTC AGGAGTTCAA
 8401 GACCAACCTG AGCAACATGG CAAAACCCTG TCTCTACAAA AAATACAAAA
 8451 AAGAAAATTT CTGGGCATGG TGGTGTGTAC CTGTAGTCCC AACTATTTGG
 8501 GAGGCTGAGA CAGGAGGATT GCTTGAGCCT GGGAGGTGGA GATTGCAGTG
 8551 AGCTGGGATC GCGCCACTGC ACTCCAGCCT GGGTGACAGA GTGAGACTGT
 8601 GTCTCAAAGA AAAAAAAAAG TTACCAATAA GATATTTTGC ATCCTTTTTT
 8651 TCAAGCTAAG TCTTCAAAAT CAATGTGTAT GTTACACTTG TAGCACATCA
 8701 CAGTTTGGAC TAGCCCCATT TTAAACATTT GATAGCTACA TGTGCTGAGT
 8751 GGCTAGTGGC CACTTGTGTT ATATTAGACA ACCCAAGCTA AATGAGTGCT
 8801 ATATAATTTA TAGACTAAGG ACTTTGATTT TCCATGATTA GAGTGTGCCC
 8851 TGACATTTTA GGTGAGAGTA ATTTTCATTG ATGCATATTT AGCAGTGTTT
 8901 TTCACCTTGA CTTGCAGTGT AATCAGGGCT TCTTATTTTA CAGTTGTAAA
 8951 GAAAAGAGTA GATTACTGTG AGTCAAACAG AAACAAGTTT TAATTAAGAC
 9001 TATGCAAGCA AAGAACCTGA TTGTATATTT TAACTTGTTG ATTATTCGAT
 9051 TTAGTAAAAC AAACGGTCAT TACTATCAGA TTTTAAAATA ATCCCTCACC
 9101 ACAGGGTAAT TGTTTGAATC TACCTATCAA GGTAGTTAAG GTATATCATC
 9151 CATCCTCCTG GATATTCTAT TATCTAATAG GATATCGACT TGGTTTGCAT
 9201 ATACAAGTCT TCTCAAAAAT CATTTACAAA AAGCATCTTT TTATACTTTA
 9251 ATGTCACCTT AGTAATAGTT TGGGGGATGT GTTTACATTA TATGTGAGAA
 9301 TTACAAACCA TTTTCTAGTC ATCAGCTTGA TTTTAATATG TTCTCTTTTG
 9351 CTACTATTGT AGATTTTAGA CTTGAGTTTT GGCATATTTT TTCCTTTATA
 9401 ACAGGAGAAT GTTTTCAGAG CTTATAGTAA CAGTTTAATG AACAATAAAA
 9451 AGCAGAAGGG ACAGGAGACA ATATGTTGAG TACCGGCTGT ATACAGAAGC
 9501 TTTTTATATA TTGCATGTAT GTATACACAC ACACACATTT ACCCTTTTCT
 9551 TTTTAAACAG ATGAAATAGT CTGAGGAGAA CTTGCCTAAT ATTTTATGAG
 9601 GTAGTTAATA GTACTGTTGA GATTAAACTG GATTATTCCT CAGACTATGT
 9651 CTTAAAATGG TGCTACAGGT AGCAGTAATT CGTTGACTGG AATTAGCATT
 9701 TATGTGACC TACAAACTAG TCAGACCTCT TGAGCGCACA GCAGTCTTAG
 9751 GTGAGTAATG ATTGCTTATT AGAGAGGACT GGATATGTTT TAAATGAAAG
 9801 CTCAGGTTTT AAAATTTTGT TTTAAAAAAT CTTATGTTTT AAAAAATCTT
 9851 ATGTTTAAAA AATCTTAAGT ATAGACAAGA AAGTTAACTT CCAGTTGGGA
 9901 AAATCAGTCA TTTTAGTCTG CTTAAATCCT TCAGTTGCAA CTGTAAGATT
 9951 TTATTATTAA TAGTAATGTT AGAGCTCCTT CTAGTGGAAA TTATTTTATG
10001 TGCAACTATT ATTTTTTTAA AAGCAAAATT GGTTTGATAT TTTTACTGTT
10051 TTTACATGTA TTTGTAAATA CCTTCTATTC AGAGTTTAAC AAAAGCAATT
10101 TAAGTATAAC TTGGTTTAGA GTTCCATAAA CAAAGTAAA TGTAAGCATT
10151 TAAGGAGATA CATGCAATTT TCTCATTAGT TTATACATAT ATTTGATTCA
10201 TGAAATTTCC CCCTCATTGT ATTTCTCTCT TGTTCTCTCT TTTATATGAA
10251 TATATAGTTG ATTCTCATTA TTTGTGGTTA GTTATGTTCT ATTAAAGTTG
10301 CCTTGAACAC CGTTAGCAAA TACTGAACCA TTTCTCCTAG AGGGAAATAT
10351 GTATGTGTGT GTATATACAT ACATGCAACA CACACAATAT ATGTAGCGTA
10401 TGTATATATA TAATATATAT ACATACACAC ACATTTACA TAGATTATAA
10451 CCTTAAAACT CCAAAGTAAT TCTTTCTGGT AGATTTTATT TTCTTTATTT
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FIGURE 3C

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10501 TACAAAACAG AAGAGGAGAT TTAGAAGTGT TAGAAATGTT AAGGGACTTG
10551 CCTGAGGTGC TAGTGCTGGG ATTCACACTC CCTCCAACTG ACCCCAGGCC
10601 TGGAGCTTCT TCACTACACT GCTGTGTCCC CTATCACTTC CATTCTCTGG
10651 TCATCTCTGA ATGAAAGCTG AAACAAGGCA GAGTGTCACC TCATCCTACA
10701 TGGTAACATG GGTGTTGGGT CACCCAAATT TTTTGCTGCT CTTCCATGTC
10751 ACTAATGAGC ACAAATGCTC TGTGAGTATT GATTTTGGGG TACACATAAG
10801 TTTTTGGGAG TTGGTAAATT TGCAAATACA GCATCCACAG GTATTGAGGA
10851 TTGACTATAT TGTATTATTA CTGATAAAAG TGATTGGAAG NNNNNNNNNN
10901 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
10951 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
11001 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
11051 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
11101 NNNNNNNNNN NNNNNNNNCA CCGCACTCCA GCCTGGGTGA CAGAGCGAGA
11151 CCTCATCTCA AAAAAAAAAA AAAGTGATTG GAGAACAAGG TATTTTTTGA
11201 CCAGATGGGC ACACAGGCAC ATGCCACCAC GTCTGGCTAG TTTTCTTTTG
11251 TATTTTTTGT AGAGATGAAT TTTTGCCATG TTGCCCAGGC TGGTCTTGAA
11301 CTCCTGAGCT CAAGCGGTCC ACCCACCTCA GCCTCCCAAA GTGCTGGGAT
11351 TACAGGCATG AGCCACCATG CTCAGTTCCA ATCACTTACA CTTCCCCTTG
11401 AGCTAAACTG TCCCCCCTCC ACTGGTCACT GACAGAACTA GACAGCTGTT
11451 TGTCTCCCCT CCTGATATGG GCTGCTTATG CACAAGAGGA GGAGGAAAAA
11501 TGCTCATGTT CTGAGAACTC CTCAAGAGCA GATTTCTTTA TAAATGTATG
11551 ATATTTAGGT GTGTTCACTT CCTGCACTTA AGCAACTCTC TGGGGTGACA
11601 CAGTTATCAT TAGGAAGGAG GGGATCTCAT TTTTCCTTGG TCATGCCCTT
11651 TCTCCAGAAA AAAACCTTCA TTGTAACCAT TACTCCTCTT TTTCCTACTT
11701 CTGCCTTTTC AAGTAACATA CTGTATAGGA CTTAATTTTC TTGAAGAAAT
11751 AATTTGTAAG TTATACTGAG AGAGTGAAGT AAGTTATTAA TTAGAGTCTT
11801 TCTCCAAGCT AGGCAACTTT ATAAAGGGAA TTATTAGTTT AGGTCAGCAT
11851 TTTAAAAATG TTTTTGCCTA TGACAATAAA AAATGGATTT TTCATCAGAT
11901 TCTTTGTATA TACACATCCA TAGATAATAG TGCTCATATG TGTGCATGTG
11951 TGTATGTATG TGTTAGAAGT TAATGTTTTA CAAAGCAGTA TTTACCCTTT
12001 CTATATTCAG TGTACCCTGC ATTTCTTATT CTATTAACAA AGTGCTGAAT
12051 GAGGCTGACT GAAATGATTT CATTACCCTT GTGTTTTGAA GAACATTGAT
12101 TTAGGCCACT AAGGCACCAG ATTCCAAATG ATATTTTCAT GGCTATATGT
12151 TTCTGAAAAA TGCCCATCAT TTCAAAATTG TATACATTAT TTATTTTAAG
12201 GTTGCAGGTG GATTATTCTT TTGACTAAGT CTATATTATA ACCATATACA
12251 TGTAATTTTA CATCACAGTT TAGTTTCTGG TGTACCTAAT GCTGATTTCT
12301 GTTCCCTTCT TATCCTTTTA CAGTGACAAA GATATGGAAA TTAATGAAGA
12351 AGAACTGACT GGTTGTATCC TGAGAAAACT AGGTGAGACA AATATTTTAA
12401 ATTGTTTTCT TAAGTTTTAA GCTGCAAGGC ATCAGCAAAT AAAGTGTCTT
12451 TGAGGGCTTA TATATGCATA GTAGTTTTCT TCAAAATAGC TTTGAGAATA
12501 TTCCCCTCAA TGAATGAATA TACTTTTAAG ATAGGGATGT GCTACTTTTC
12551 CTGGTTAATT GGCAGTTGAG CAGTGGAAAG AATATATGAC TTGTCTGTGG
12601 AAAGAGTCAG TGGTAGAATT GAGACTTTTA ACCTTTGCAT TCTTGCCCTT
12651 TCCAGTGACA GATGCTATCT TGGAGTGTTG GTTTGGGTGT GCCATTTTCA
12701 TTTAGTTTAT TATTGAAATAT GGAATGCCTG GCTATTTGTT GATGTGATTG
12751 ATAGAATCTG AGATCTACTG AGTGTGGAGG ATTTCAGAGA ATCATTTCCT
12801 TCTGTCTCCA GATGGTGTTA TAGGGGAATA TTAGGTCCTC AATTTTTTAT
12851 GACAATTATT TTATTAATAC TCTGTCTTTG ATTTAGTCTT TTCAGATAAT
12901 AGATGAAATA TATTGCTATT TAAACATTAA ACTGGTAAAA AAAATTATGC
12951 TAACATGTAT ATTTAATATA CTGTTTTCTA GATGGCAAGA TTGTTTTACC
13001 AGGCAACTTT CTGTATTGTA CATTCTATGG ACGACCGTAC AAGCTGCAAG
13051 TATTGCGAGT GAAAGGGGCA GATGGCATGA TATTGGGAGG GCCTCAGAGT
13101 GACTCTGACA CTGATGCCCA AAGAATGGCC TTTGAACAGT CCAGCATGGA
13151 AACCAGTAGC CTGGAGTTAT CCTTACAGCT AAGCCAGTTA GATCTGGAGG
13201 ATACCCAGAT CCCAACATCA AGAAGTACTC CTTATAAACC AATTGATGAC
13251 AGAATTACAA ATAAAGCCAG TGATGTTTTG CTGGATGTTA CACAGAGCCC
13301 TGGAGATGGC AGTGGACTTA TGCTAGAGGA AGTCACAGGT CTTAAATGTA
13351 ATTTTGAATC TGCCAGAGAA GGAAATGAGC AACTTACTGA AGAAGAGAGA
13401 CTGCTAAAGT TCAGCATAGG AGCAAAGTGC AATACTGATA CTTTTTATTT
13451 TATTTCTTCA ACAACAAGAG TCAATTTTAC AGAGATTGAT AAAAATTCAA
13501 AAGAGCAAGA CAACCAATTC AAAGTAACTT ATGACATGAT AGGAGGATTA
13551 AGTAGCCAGC TGAAAGCAAT TAGAGAAATA ATTGAATTGC CCCTCAAACA
13601 GCCTGAGCTT TTCAAGAGTT ATGGTATGAT GTCTTCAGTT TATTGCACCC
13651 AAAAAATGTTA AATTCAAATT AAAAGACAGT TGACACTTAT GTAATGATTG
13701 CTCATCCTCT TTTCCTGTTT TTATTTTCTG AGTAGTAGGT ATGGTAGAAG
13751 ATTTCAGTTG CTTTGGGAGA TGCCAGTTAA ATGGGCCATT TGCTATGCTT
13801 TGGTATTTTT AGGTTGTAAT GTGAATTAGT GACAGCCTTG TCTCTTCTAA
13851 TAGCATATTT CCACAATTAC CTGTATTGGA TCTAGAATAA GTATCTTGTC
13901 ATGCTGGGTC ATCTGTAATG ACTGAAGGGA TAAACCATTC AAATACATTA
13951 GATAAAACTT CTTAGGAAAT GTAACTGTGT ACCCATCTCT TTGCACTGAA
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FIGURE 3D

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14001 GCAGGTAATT ACGGGAATGG CTTGACTCAG GAAACTCAGG GCTTCTGCTG
14051 CATTGTTATT GCCAAGATCC TTTGCATATA TTTGCTGTGT CTGATCTCTC
14101 TGCTTTTTTC CTTTCTCATA AATCTTATAT ATACATACAT GTATGTATAT
14151 ATATGTATGT GTAAAATGAA CCCTTAGATT GGCATTTTGC TCATACTTAT
14201 GTACCTTTTA TACTAGCAAA CGTATGTACT CTTCAAGATG GTTAGTTGGA
14251 AAAAAACTGG GATTGGTGGC TTGTCTACCT GTGTTGTCTG TGCTTGGTTT
14301 TTCGATCATT GATCTGTGTT GTGTGGGATG GGGCGTTGCA ACAATGTGGG
14351 TGTCCAGTTT TTTTTTTTTT TAACCAACAT GCTTCCTCTG TTCTGTGGTC
14401 TACAGAGAGA GAAAGTCATT GCTGGGTATC AGTGTTTGGG CTAGTTAGTA
14451 CATCTTTCTG GAGGGGGAGA AAAAACTCTT GACTCTTTTT GTGACGCAAG
14501 GTAAAGTTAA ATTTTATAAC TCATGTTTGA ACTTGTATGA CAACATTTAT
14551 AAGAAACCTA GTAATGGTGA ATCTAGTGTT TTCTACTTTT TCTTCCAGGA
14601 ATTCCTGCCC CTAGAGGAGT GTTACTTTAT GGTCCTCCAG GTACTGGAAA
14651 AACAATGATC GCCAGGGCTG TTGCTAATGA AGTTGGAGCC TATGTTTCTG
14701 TAATTAATGG TCCTGAAATT ATAAGCAAGT AAGTACATGA TTTAATAGAG
14751 TAAACTTACT ATTAAATATA TTTCTAAAAT GTGGTTTTTA AAAATGATTG
14801 TGTAGTATTC TGTGTGATAT TTTGTACACT GAAATATTTT GCTTCTTAAT
14851 AAAAATTGTT TGGAAAATTC TTTTTGAAAG TAATTTTAAG TATTATAGAA
14901 ATATTGAAAA TTTAGGTTAG CTTTTATAGA CAAAGCTTTA AAAACAATAA
14951 GAAATGGTCT TTAAATGTAT TTTATTTGTT ACAGATTCTA TGGTGAGACT
15001 GAAGCAAAGT TACGTCAGAT ATTTGCTGAA GCCACTCTAC GGTACTCTTT
15051 ATTTTTAAAT GTTTTGGAAT TAATAATCAA GGCTGTATTA GTCAAAGTGA
15101 GATACTAGCA CCTTATACAA AGCATAAACA GTAGTACAAA AATTATAGTG
15151 ATAGTGGTAG AAGTAGATTA TAGATCTAAT GAAATTCTAT TTCTATCTAA
15201 TCTTTAAAAG TTTGATAAAT ATTATTAAAT TACATAAAGT AGAAGAATTA
15251 AGACATAGTG TTTGATAAGT CATGTGACCT TGTTTGAGCA TAGAAATCCA
15301 TGACTTTCTT TAGGTGCTTA GGTGTTTCTA ATATGCTTAG CTTTTTCTAGT
15351 AGACTGTATT ATTGTATGTA GCTCTTTATA CTAGAACTTT GTTATGTTAT
15401 ACTTTGCTTC AAAGGGACAA ATCTTTTGCC CATTAAATAA TGACTCTGGC
15451 TGGGTGTGGT GGCTCATGCC TGTAATACCA TCACTTTGGG AGGCCAAGGC
15501 AGGAGGATTA CTTGACCCCA GGAGTTTGAG ACCAGCCTGG GCAACATAGT
15551 GGGACCCTGT CTGTTTAAAA ATAAAAATAA TTGGCTGGGT GCGGTGGCTC
15601 ACGCCTGTAA TCCCAGCACT TTGGGAGACC GAGGCAGGCA GATCACCTGA
15651 GGTCAGGAGT TTGAGACCAG CCTGGCTAAC ATAGTGAAAC CCCGTCTCTA
15701 CTAAAAATAC AAAAATTAGC CAGGTGTGGT GGCAAGTGCT TGTAATCCCA
15751 GCTACTCGGG AGGCTGAGGC AAGAGAATCT CTTGAACCCA GGAGGTGGAG
15801 GTTGCAGTCA GTTGAGATCG TGCCATTGCA CTCCAGCATG GGGGACAAGA
15851 GCGAGACTTT GTCTCGAAAA AATAAAAATA AAAATAATTA GTTGGGCATG
15901 GTAGCACATG CCTGTAGTCC CACCTACTAA GGAAGCTGAG GCAGGAGGAT
15951 CACTGAGCTG GGAGATCAAG GCTGTAGTGA GCCATGATTT CACTGCTGCA
16001 CTCTAGCCTG GGCAACACAC ACCCCGTCTC AAAAACAAAC AAACAAGCAA
16051 AATCAAAACA GTGGTAGAGA CATAGCCATA TTATGAGTGA CGTTACGTTT
16101 GACCAAGTTA TAGACCAATA TCCTAATACT CATTACAGTG TAACATTGAA
16151 ATCTAAATTC CCTGAGCTCA AGTGATCCTC CCCCTGTAGC CTCCCAAGTA
16201 GCTGGAACTA TAGGTGAGCA CCACCATGCC CAGCTAATTT TTGTATTTTT
16251 TTTTCTAGCA ACAGGGTCTT GCTATGTTGG CCAGGCTGGT CTTGAACTCC
16301 TGGGCTCAAG CCATTCTCCT GCCTCAGCCT CCCAAAATGC TGGCTGTCTT
16351 GGTGTTTAAT ATCATAACTA CTGCTCTTGA ATCAGAAAAC CCACCATTTT
16401 TGAAGTTTAT TTTTTTCCCG CAATGATAGT AGATGAAGTA AGCAGTTTGT
16451 AGTCCTAGTA CTGTACTGAA AATTTGAAAA CTAGTGGTAC ACCTTATTGT
16501 TTAGTATGCT TTTGTTGTTG TTGTGTTCAT GGCAGTTGAG ATTTCCTTCT
16551 GTGAGAGAAT TCACATCTGT TTATGGGAGA ATTGATCATC TTGCAAGTTT
16601 TTATTTTAAT GGTTTAAAAA TAACAGGGCA TTTCTAGTTT ATGTCCTTTG
16651 GTTTCAAACC TGCTCCAAGG GATAGTATCT CTGGCCTCAG CTTCTGAATT
16701 GATCCAGTCA TAACAACTTA ATGGGCATTA CTGGGGAGAG TTCTTAAGAG
16751 ACTCTTATCT TTTAAGCAGC ATACTCTACT CAATTACCCA GCCTTTTAAT
16801 GGAGGGCAGA TAGAATAGAA TATGAAGTTA GTGAATTAGT ATTTTGGGCT
16851 AGAATGAATC TAAGGATTTT TAGCTTAACA TTATAATATC TTTATAATAT
16901 TAAGTGAATT CTAAATTTGA TATGTTGCAT TTCAGTTAAA AAAATTAAAA
16951 CTAAGTAAAA CTTAAAATCA AATATAGATG AGAGATTTCA TTTTACTTGT
17001 TTGTTTTTAG ACACCCATCA ATTATTTTTA TTGATGAGCT GGATGCACTT
17051 TGTCCGAAAA GAGAGGGGGC CCAGAATGAA GTGGAAAAAA GAGTTGTGGC
17101 TTCACTCTTA ACACTGATGG ATGGCATTGG TTCAGTAAGT ATAGCACTAG
17151 TATTGATTCT GTGTAGGGTT AATTCTTAAT ACTTATGTGT AGTGGTAAAA
17201 ACTATTGAAT GTGTCAGAGT CTTTGGATAT TTTAGGATAA AGGAAAAATA
17251 TTAGCCATAG CAACTAGGGG AAAGATCTGT AAAATAATTT GCTTTAGTAG
17301 ATTACTTAGT AACTGCTAGG ACAACATCAT AACCTGGCAG GTTTTTTCTA
17351 GCATATAAAA TACTATACCA TGATGGATTT ATTTTGTGAT AAAATGCTGTT
17401 AGCTTTAAAA CTTGAAGCAA AGATCAGTAA GGAAGATTTA GCAGTTAAAT
17451 TTTAGGGGAT TTTATTTTAT TTTTATTTAT TATTATTGTT TTTGAGATTG
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FIGURE 3E

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17501 AGTCTTGCCC TGTCATCCAG GCTGGAGTGC AGTGGCGCAG TCTCAGCTAA
17551 CTGCAACCTC CACCTTCCAG GTTCAAGCGA TTCTCCTGCC TCAGCCTCCT
17601 GAGTAGCTGG GACTACAGGC ATGCACCATC ACACCTGGCT AATTTTTTTT
17651 TAAATCTTCT TAGTAGAGAT GGGGTTTCAC CATGTTGGCC AGGCTGGTCT
17701 CGAACTCCTT ACCTTGTCAT CTACCCGCCT TGGCCTTCCA AAGTGCTGGG
17751 ATTATAGGTG TGAGCCGCTA CATCTGGCCT TAGGGGTTTT TATTAAGAAA
17801 TGTCATGAGT AAGTCTTATT ACCCATGTAC AAATGGACTC TTTCAAGGCT
17851 TTGTACTAGG GAAATGAAAG AAAGTGAGAA TAATGCGAAA TGTTTTGTAT
17901 AACATTTAAA AAAAAACTTA TTCATATTAC CAGATTCTCT CATAGGGGAT
17951 ATGTTCTTTC TTTTTTTTTT TTTTTTTTTT TTTTTTGGAG ACAGAGTTTC
18001 GCTCTTGTTG CCCAGGCTGG AGTGCAATGG CACAATCTCG GCTCACCGCA
18051 ACCTCTGCCT CCCAGGTTCA AGCAATTCTC CTGCCTCAGC CTCCCGAGTA
18101 GCTGGGATTA CAGGCATGTA CCACCACGCC TGGCTGATTT TGTATTTTTA
18151 GTAGAGACGG GGTTTCTCCA TGTTCAGGCT GGTCTCGAGC TCCTGACCTC
18201 AGGTGATCCG CCCGCCTCGG CCTCCCAAAG TGCTGGGATT ACAGGCGTGA
18251 GCCACCGCGC CCAGCCGGGA TATGTTCTTT TATTAATAAA AACTATATGC
18301 TAATTATGGA AGGAACATTC ATAGGACTAA TAAGAGAATA GGCATGAACA
18351 AAAATTTTCT AAGACTCCTG ACATCCATTA ATTAGAAAAA TACACTTTTC
18401 ATGCTGGATT ATGAATAAGT AAAGTTTTTA GAATCATAAT ATGTTAGAAC
18451 CACAATAAAT TTTAGAAATT ATGTAGTATC AAGCCTCTTT TGCACATTAA
18501 AAAGCTGGTC ATTTAGAATT TTTTTTTTTT TATACTTTAA GTTTTAGGGT
18551 ACATGTGCAC AATGTGCAGG TTAGTTACAT ATGTATACAT GTGCCATGAT
18601 GGTGTGCTGC ACCCATTAAC TCGTCGTTTA GCATTAGTTA TATCTCCTAA
18651 TGCTATCCCT CGCCCCTCCC CCAACTCCAC AACAGGCCCC AGAGTGTGAT
18701 GGTCCCCTTC CTGTGTCCAT GTGTTCTCAT TGTTCAATTC CCATCTATGA
18751 GTGAGAACAT GCAGTGTTTG GTTTTTTGTC CTTGCGATAG TTTGCTGAGA
18801 ATGATGATTT CCAGTTTCAT CCATGTCCCT GTAAAGGACA TGAACTCATC
18851 ATTTTTTATG GCTGCATACT ATTCCACGGT GTACATGTGC CCAATTTTCT
18901 TAATCCAGTC TGTCATTCCG GGACATTTGG GTTGGTTCCA AGTCTCTGCT
18951 ATCGTGAATA GTGCCGCAAT AAACATACGT GTGCATGTGT CTCTATACCA
19001 GCATGATCTA TAGTCCTTTG AGTATATACA CAGTAATGCG ATGGCTGGGT
19051 CAACTGGTAC TTCTACGTCT AGACTCCTGA GGAATCGCCA CACTGACTTC
19101 CACAATGGTT GAACTAGTCT ACACGTCCAC CAACAGTGTA AAAGCGCTCC
19151 TATCTTCCCA CACTCTCTCT AGCACCTGTT GTCTCCTGAC TTTCTAATGA
19201 TTGCCATTCT AACTGGTGTG AGATGGTATC TCATTGTGGT TTTGATTTGC
19251 ATTTCTCTGA TGGCCAGTGA TGATGAGCAT TTTTTCATGT GTCTTTTGAC
19301 TGCATAAATG TCTTCTTCTG AGAAGTGTCT GTTCATATCC TTTGCCCACT
19351 TTTTGATGGG GTTGTTTGTT TTTTTCTTGT AAATTTGTTT GAGTTCATTG
19401 TAGATTCTGG ATATTAGCCC TTTGTCAGAT GAGTAGGTTG CGAAAATTTT
19451 CTCCCATTCT GTAGCTTCCC TGTTCACTCT GATGGTAGTT TCTTTTGCTG
19501 TGCAGAAGCT CCTTAGTTTA ATTAGATCCC ATTTGTCAAT TTTGGCTTTT
19551 GTTGCCATTG CTTTTGGTGT TTTAGACATG AAGTCCTTAC CCATGCCTAT
19601 GTCCTGAATG GTAATGCCTA GGTTTTCTTC TAGGGTTTTT ATGGTTTTAG
19651 GTCTAACGTT TAAGTCTTTA ATCCATCTTG AATTAATTTT TGTATAAGGT
19701 GTAAGGAAGG GATCCAGTTT CAGCTTTCTA CATATGGCTA GCCAGTTTTC
19751 CCAGCACCAT TTATTAAATA GGGAATCCTT TCCCCATTGC TTGTTTTTGT
19801 CAGGTTTGTC CAAAGATCAG ATAGTTGTAG ATATGTGGCA TTATTTCTGA
19851 GGGCTCTGTT CTGTTCCATT GATCTATATC TCTGTTTTGG TACCAGTACC
19901 ATGCTGTTTG GTTACTGTAG CCTTGTAGTA TAGTTTGAAG TCAGGTAGCA
19951 TGATGCCTCC AGCTTTGTTC TTTTGGCTTA GGATTGACTT GGTGATGCGG
20001 GCTCCTTTTT TGGTTCCATA TGAACTTTAA AGTCGTTTTT TCCAATTCTG
20051 TGAAGAAAGT CATTGGTAGC TTGATGGGGA TGGCATTGAA TCTATAAATT
20101 ACCTTGGGCA GTGTGGCCAT TTTCACGATA TTGATTCTTC CTACCCATGA
20151 GCATGGAATG TTCTTCCATT TCTTTGTATC CTCTTTTATT TCATTGAGCA
20201 GTAGTTTGTA GTTCTCCTTG AAGAGGTCCT TCACGTCCT TGTAAGTTGG
20251 ATTCCTAGGT ATTTTATTCT CTTTGAAGCA ATTGTGAATG GGAGTTCACT
20301 CATGATTTGG CTCTCTGTTT GTCTGTTATC GGTGTATAAG AATGCTTGTG
20351 ATTTTTGTAC ATTGATTTTG TATCCTGGGA CTTTGCTGAA GTTGCTTATC
20401 AGCTTAAGGA AGTTTTGGGC TGAGACAGTG GGGTTTTCTA GATATACAAT
20451 CATGTTGTCT GCAAACAGGG ACAATTTGAC TTCCTCTTTT CCTAACTGAA
20501 TACCCTTTAT TTCCTTCTCC TGCCTGATTG CCCTGGCCAG AACTTCCAAC
20551 ACTATGTTGA ATAGGAGTGT TGAGAGAGGG CATCCCTGTC TTGTGCCAGT
20601 TTTCAAAGGG AATGCTTCCA GTTTTTGCCT ATTCAGTATG ATACTGGCTG
20651 TGGGTTTGTC ATAGATAGCT CTTATTATTT TGAGATATGT CCCATCAATA
20701 CCTAATTTAT TGAGAGTTTT TAGCATGAAG GTTGTTGAAT TTTGTCAAAG
20751 GCCTTTTCTG CATCTATTGA GATAATCATG TGGTTTTTGT CTTTGGTTCT
20801 GTTTATATGC TGGATTACAT TTATTGATTT GCATATATTG AACCAGCCTT
20851 GCATCCCAGG GATGAAGCCC GCTTGATCAT GGTGGATAAG CTTTTTGATG
20901 TGCTGCTGGA TTCGGTTTGC CAGTATTTTA TTGAGGATTT TTGCATCAAT
20951 GTTCATCAAG GAGATTGGTC TAAAATTCTC TTTTTTGGTT GTGTCTCTGC
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FIGURE 3F

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21001 CCGGCTTTGG TATCAGGATG ATGCTGGCCT CATAAAATGA GTTAGGGAGG
21051 ATTCCCTCTT TTTCTATTGA TTGGAATAGT TTCAGAAGGA ACGGTACCAG
21101 TTCCTCCTTG TACCTCTGGT AGAATTCGGC TGTGAATCCA TGTGGTCCTG
21151 GACTCTTTTT GGTTGGTAAG CTATTGATTA TTGCCACAAT TTCAGATCCT
21201 GTTATTGGTC TATTCAGAGA TTCAACTTCT TCCTGGTTTA GTCTTGGGAG
21251 GGTGTATGTG TCGAGGAATG TATCCATTTC TTCTAGATTT TCTAGTTTAT
21301 TTGCGTAGAG GTGTTTGTAG TATTCTTCTGA TGGTAGTTTG TATTTCTGTG
21351 GGATCGGTGC TGATATCCCC TTTATCATTT TTTATTGCGT CTATTTGATT
21401 CTTCTCTCTT TTTTTCTTTA TTAGTCTTGC TAGCGGTCTA TCAATTTTGT
21451 TCATCCTTCC AAAAAACCAG CTCCTGGGTT CATTAATGTT TTGAAGGGTT
21501 TTTTTATGTC TCTATTTCCT TCAGTTCTGC TCTGATCTTA GTTATTTCTT
21551 GCCTTCTGCT AGCTTTTGAA TGTGTTTGCT CTTGCTTTTC TAGTTCTTTT
21601 AATTGTGTTG TTAGGGTGTC AATTTTTGGAT CTTTCCTGCT TTCTCTTGTG
21651 GGCATTTAGT GCTATAAATT TCCCTCTACA CACTGCTTTG AATGTGTCCC
21701 AGAGATTCTG GTATGTTGTG TCTTTGTTCT CGTTGGTTTC AAAGAACATC
21751 TTTATTTCTG CCTTCATTTC GTTATGTACC CAGTAGTCAT TCAGGAGCAG
21801 GTTGTTCAGT TTCCATGTAG TTGAGCAGTT TTGAGTGAGT TTCTTAATCC
21851 TGAGTTGTAG TTTGATTGCA CTGTGGTCTG AGAGACAGTT TGTTATAATT
21901 TCTGTTCTTT TACATTTGCT GAGGAGAGCT TTACTTCCAA CTATGTGGTC
21951 AATTATGGAA TAGGTGTGGT GTGGTGCTGA AAAGAATGTA TATTCTGTTG
22001 ATCTGGGGTG GAGAGTTGTG TAGGTGTCTA TTAGGTCCAC TTGTTGCAGA
22051 GATGAGTTCA ATTCCTGGGT ATCCTTGTTA ACTTTCTGTC TTGTTGATCT
22101 GTCTAATGTT GACAGTGGGG TGTGAAAGTC TCCCATTATT ATTGTGTGGG
22151 CGTCTAAGTC TCTTTGTAGG TCACTCAGGA CTTGCTTTAT GAATCTGGGT
22201 GCTCCTGTTT TGGGTGCATA TATATTTAGG ATAGTTAGCT CTTCGTGTTG
22251 AATTGATCCC TTTACCATTA TGTAATGGCC TTCTTTGTCT CTTTTGATCT
22301 TTGTTGGTTT AAAGTCTGTT TTATCAGAGA CTAGGATTGC AAGCCCTGCC
22351 TTTTTTTGTT TTCCATTTGC TTGGTAGATC TCCCTCCATC CTTTTATTTT
22401 GAGCCTATGT GTGTCTCTGC ACGTGAGATG GGTTCCTGA ATACAGCACA
22451 CTGATGGGTC TTGACTCTTT ATCCAGTTTG CCAGTCTGTG TCTTTTAATT
22501 GGAGCATTTA GTCCATTTAC ATTTAAAGTT AATATCGTTA TGTGTGAATT
22551 TGATCCTGTC ATTATGATGT TAGCTGGTTA TTTTGCTCAT TAGTTGATGC .
22601 AGTTTCTTCC TAGTCTCAAT GGTCTTTACA TTTTGGCATG ATTTTGCAGC
22651 AGCTGGTACC GGTTGTTCTT TTCCATGTTT AGTGTTTCCT TCAGGAGCTC
22701 TTTTAGGGCA GGCCTGGTGG TGACAAAATC TCTCAGCATT TGCTTGTCTG
22751 TAAAGTATTT TATTTCTCCT TCACTTATGA AGCTTAGTTT GGCTGGATAT
22801 GAAATTCTGG GTTGAAAATT CTTTTCTTTA AGAATGTTGA ATATTGGCCC
22851 CCACTCTCTT CTGGCTTGTA GAGTTTCTGC CGAGAGAATC GCTGTTAGTC
22901 TGATGGGCTT CCTTTGTGGG TAACTGACCT TTCTCTCTGG CTGCTCTTAA
22951 CATTTGTCCT TCATTTAACT TTGGTGAATC TGACAATTAT GTGTCTTGGA
23001 ATTGCTCTTC TCGAGGAGTA TCTTTGTGGC GTTCTCTGTA TTTCCTGAAT
23051 CTGAATGTTG GCCTGCCTCG CTAGATTGGG GAAGTTCTCT TTGATAATAT
23101 CCTGCAGAGT GTTTTCCAAC TTGGTTCCAT TCTCCCCGTC ACTTTCAAGT
23151 ACACCAATCA GACGTAGATT TGGTCTTTTC ACATAGTCCC ATATTTCTTG
23201 GATGCTTTGT TTGTTTCTTT TTATTCTTTT TTCTCTAAAC TTCCCTTCTT
23251 GCTTCATTTC ATTCATGTCA TCTTCCATCA CTGATACCCT TTCTTCCAGT
23301 TGATCGCATC GGCTCCTGAG GCTTTTGCAT TCTTCACGTA GTTCTCGAGC
23351 CTTGGCTTTC AGCTCCATCA GCTCCTTTAA GCACTTCTCT GTATTGGTTA
23401 TTCTAGTTAT ACATTCGCCT AAATTTTTTT CAAAGTTTTC AACTTCTTTG
23451 CCTTTGGTTT GAATTTCCTC CCGTAGCTCG GAGTAGTTTG ATCGTCTGAA
23501 GCCTTCCTCT CTCAACTTGT CAAAGTCATT CTCCGTCCAG CTTTGTTCTG
23551 TTGCTGGTGA GGAACTGCGT TCCTTTGGAA GAGGAGAGGC ACTCTGCTTT
23601 TTAGAGTTTC CAGTTTTTCT GCTCTGTTTT TTCCCCATCT TTGTGGTTTT
23651 ATCTTTGTTT GGTCTTTGAT GATGGTGATG TACAGGTGGG TTTTTGGTGT
23701 GGATGTCCTT TCTGTTTGTT AGTTTTCCTT CTAACAGACA GGGCCCTCAG
23751 CTGCAGGTCT GTTGGAGTTT GCTAGAGGTC CACTCCAGAC CCTGTTTGCC
23801 TGGGTATCAA CAGCGGTGTC TGCAGAACAG TGGATTTTCC TGAACCGCGA
23851 ATGCTGCTGT CTGATCGTTC CTCTGGAAGT TTTGTCTCAG AGGAATACCC
23901 GGCCGTGTGA GGTGTCAGTC TGCCCCTACT GGGGGTGCCT CCCAGTTAGG
23951 CTGCTCGGGT GTCAGGGGTC AGGGACCCAC TTGAGGAGGC AGTCTGCCTG
24001 TTCTCAGATC TCCAGCTGCG TGCTGGGAGA ACCACGGCTC TCTTCAAAGC
24051 TGTCAGACAG GGACATTTAA GTCTGCAGAG GTTACTGCTG TCTTTTTGTT
24101 TGTCTGTGCC CTGCCCCCAG AGGTGGAGCC TACAGAGGCA GGCAGGCTTC
24151 CTTGAGCTGT GGTGGGCTCC ACCCAGTTCA AGCTTCCGGG CTGCGGCTGC
24201 TTTGTTTACT GAAGCAAGCC TGGGCAATGG CGGGCGCCCC TCCCCCAGCC
24251 TCACTGCCGC CTTGCAGTTT GATCTCAGAC TGCTGTGCTA GCAATCAGCG
24301 AGACTCCGTG GGCGTAGGAC CCTCCGAGCC AGGTGCGGGA TATAATCTCC
24351 TGGTGCACCG TTTCCTAAGC CCATCGGAAA AGCGCGGTAT TAGGGTGGGA
24401 GTGACCCGAT ATTCCAGGTG CTGTCTGTCA CCCCTTTCCT TGACCAGCAA
24451 AGGGAACTCC CTGACCCCTT GCACTTCCCG AGTGAGGCAA TGCCTCACCC
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FIGURE 3G

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24501 TGCTTCGGCT CGCACACGGT GCGCTGCACC CACTGTCCTG CACCCACTTT
24551 CTGGCACTCC CTAGTGAGAT GAACCTGGTA CCTCAGATGG AAAATACAGAA
24601 ATCACCTGTC TTCTGTGTTG CTCACGCTGG GAGCTGTAGA CCGGAGCTGT
24651 TCCTGTTCGG CCATCTTGGC TCCTCCCCGA ACTTTTTGTT TTTTACTGTC
24701 TAGTGGCAGA AAGTAAATAT GTGAAAATAA TATAAAGGTT TGGCACTAAG
24751 TCACTTATAT ACTAACGTGT TAGTAATTTT AAGAGTCTGT AAGAGAAGGG
24801 TTGTCACCTG GTGGAGGCTG CCTGACTAAC TGGTTCTCAG TCTTGGAACA
24851 GTACCTAGGA GTGATTTTCA TGTCCCAGGT TGATTCTCAG GTTATAAAGT
24901 TGAAGAATTC AGTGTTATTA GTAGGCTGGA GATGATAGAG TTGTGAGGAC
24951 AGACTGACCC ATGATAATAA CACTTACAAG AGAATCATGT ATAAAATAGT
25001 GTCCTAGTTT GTCCATTTAC AGTAAGAGAT GTGACTGTTA AGCAGACCAA
25051 ATGTTTGTGT TTATGGATGA CCATATTTTC ACCTTGATGG CAAATATAGA
25101 GAGCTGTCTT ATAATTACAA GGGTTCTTGG TAGGTAGGAA ATCAGATGAA
25151 AGGCTTAGTG TTGGAGAATC TTAATTATTT CAATCTGCTG TCTCTTTCTC
25201 TGCCACTGGG ATAAGCCTGT TGTGGATTAG TATTCTTGCC TTTGGGCAAG
25251 GAATGGAAAC ATGTGATACT GATGTTTTAG TCTGAATATT TTTAAGGGTC
25301 TGTTTTTGTA CTTCTAAACT TATAATTCAT AGATTCGCTG TAGTCCATGC
25351 ATTGTCTGTT GGCACATTCA GTATAATTGA TTAGGTTTGA GCTTTTTTA
25401 AATTTTTTTT TTTAACATAA ATTGCATTCC AGTTATGCTT GTCTCTGGGT
25451 CATCTGAATA GAATATTGGA TAATTTCTAC AGGTGGCTGA TCATGATCAT
25501 AGTTCTTTAT TATTTGGTTT TCCTAATTTC ATTTTCAGAG AGTAAAAATA
25551 CCTATATATT CAAATGTGGC TGATACTTGG ATATTGGTTA TATTGTTGAC
25601 TCTTATTTTC AGGAATTTAA AAATGTATCC ATATTAAAAA AACTAGTCTA
25651 TAAGCGAAGA CTTTTTAGAT AACTTTCTAA TAGAATCTTG TTCTATTTGA
25701 GTATTATATG TGTCAGAATC CTGACTTTCA AGTAGGGGAA AAGGACTGTT
25751 TAAAACAATT AAAACAATTA TATGGTACAT ATTATATATA TGTTATTTTT
25801 TATGAGAATG ATACAGTTAA GATGTGAGAA GTAAGAAGAA TGTCATAGTA
25851 GATGGAGAGG TGAGTATTGT AAAACTTTCT ACAGGAGGAA GCATTTAGGC
25901 TGAACACTGA AAAATGTATA ATAAAAGTAA TAAATGTATA ATAAAAATGT
25951 ATTACTAATA AAAGTAATTG ATAGGTAATG AAAGCGTAAG AAATAGGACT
26001 TAGTATCCTG GACAGTTAGA TGTTTCATCC TTGTCTATAC AGCCAGTGTG
26051 TGCCTCTCAC TTTTTTTTTT CTAACTTTCA GAAAAATAAA TTTATTTTCA
26101 TTTTATTTTG TTAGGAAGTA AGTGAAGGAC AAGTGTTGGT TCTTGGGGCC
26151 ACAAATCGCC CTCATGCCTT GGATGCTGCT CTCCGAAGAC CTGGGCGATT
26201 TGATAAAGAG ATTGAGATTG GAGTTCCCAA TGCTCAGGAC CGGCTAGATA
26251 TTCTCCAGAA ACTGCTTCGA AGGGTACCCC ATTTGCTCAC TGAGGCTGAG
26301 CTGCTGCAGC TGGCAAATAG TGCTCATGGA TACGTTGGAG CAGACTTGAA
26351 AGTCTTGTGT AATGAAGCAG GTGAGTGTGG TTTGCTATGG TGAGTCTCTA
26401 TTGATGCACT TATCTCCAGT TTACTTACAT ACAAATAATT TATATTTTAC
26451 AGATTTCTTA ATGGAAGTAG CTTTGTTTCT AATTATAAAA TGTGTAATTT
26501 TTATTTGAAA AAATTTTTAT TGGAAAAACC TAGATGATTC AGAAGACTAT
26551 AAAAAAAAAT AAAAATCACT CAATCCTACC TCTAAAGGAT AACCACCATT
26601 ATAGTGTATA CAGTCAGCCC TCCATATCCT TGGGCTCAGC ATCTGAGGAG
26651 TCAACCAACT GTGGTCTGAA AATATTCAGG AAAAAAAAGT TAAAACAGTA
26701 AAAAATAATA AAAACTTAAA AAATATAGTA TCACAACTAC AGTTGACCCT
26751 TGAACTATGA GGGCTTGAAC TGCATGGGTC CACTTATATA TGAATATTTT
26801 TCAATAAATA TATTGGAAAA TTTTTTGGAG ATTTGCAACA ATTTGAAAAA
26851 GCTTGCTTTT TCTTTAGCTT ACTTTATTGT AAGAATACAG CATATAATAC
26901 ATATAAAAAA TATGGTTAAT CAGCTGTTTA TATTATTGGC AAGGCTTCAG
26951 GTCAACAATA GGCTATTAGT AGTTAGTTTT TGGGGGAGTC AGAAGTTATG
27001 CATAGTTTTT TGACTGCACA GGGATTGGTG TCCCTGACCC CCAAGTTGTT
27051 GAGGGGTCAA CTGTATTTAC ATAGCATTTA CATGGGATCA GGTAAAAGTA
27101 ATCTAGAGAT TATTTAAATT ATACGGGAGG ATGTGTGTAG TCTATATGCA
27151 AGTACTATGC CATTAACGGG CTTGAGCAGT CCTTAGATTT TGGTATCTTA
27201 GGGGTCCTGG AACAAATACT CCATAGATAC TAAGGGATGA CTATATCCTA
27251 CTAGACTTCT CCAGAGTATA CACACACACA CACACACACA CACACACACA
27301 CACACACACA CACACACGGA CATGTAATCA GATCCATTGG TGGCGGTATT
27351 GATGATGACA ATATTTATTG ATATATTGTG CTGTGCTGTG GAAATCAGGG
27401 AGAAGTGTAA ACTGGAGAAT CACAATTTTC CTTAAAATTG AGTGTCATGC
27451 TGGACCCCTA TTAACTTCAG TGGGATGGTA CCAAGTTTGA GAGGCCAAAG
27501 AAGGGACCCA GAGCCAATAA ATGAAACTTA GGGCTTATTT GGCAGAACTT
27551 ACTTACAGGG CGGCCCAGTG GTGATGGGCT GGACAGGAGA ACTGCAATCA
27601 CTTGCAAAAA GCATGCAGCT TGTATAGCAT TTTCACTTAG CATCCTCCCC
27651 CCAGCAACTT CCACATGGCA ACCTCCTTTC TTAAGTTATT GCTTTCAGGT
27701 GCATCTGCCA TATACTCCGC ACCAGCATAC CCTTGCGTGG CCCTCACATT
27751 CTTATGCCTT TCTGTCATGA GATCCCTGGG GCCAGGTATG TGGAGGAGCA
27801 TTGCAGCCAG ATGCTGCAGT AGCAATATAA ACTACAATAA CAAAAAAGAA
27851 TAACAAATAT AATAACAATC ATACTGTATA GAAAGTTTTT CAAGGGCTTA
27901 GGAGTTGATT AAAACACGTG GTTATAGGGT TTTAAGACTT AGATTCTGTA
27951 GTGGAAATAT GGGTATTTAA GGCCTGCATG GCCTGGGTTA GATCGTGAGA
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FIGURE 3H

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28001 GTCATCAGGA ATACATACAC AACAGGTTTT AATTAATCCA TAGGTTCCGC
28051 CCTTGTGGGG GCAGTTAAGA TGTCCAGGGC CATGCAATTT TACAAAGAAG
28101 GGTGCATGAC ACACTATCTC TGTCTCACTG CTGTCATCCA CTCTAGCCCA
28151 TCATTGTGTA CAGCCTACCT ACAGTGGGGA GTGACATTAA CTTGCTCCTT
28201 TACCAGGCGG AAAATATGCC ATCTCATGTT GTTGGTGGTG GGAAACTTGC
28251 TGCATGAGGT GCTGTTGTCG CTGAAGGGGA ATAGGTGAAG GTCACTATAC
28301 CAAGTATCGA AGTGGCCCCA GGTACTCATG TTAACTGCCT TGGTGTGACA
28351 TGGCAGGCCC ACAGCGGAGG AGAGGGGGAG CTCTCCGCAG ACCCAGCAGT
28401 CTGTTTTCTT CTGGAGAGAG ATAACCATCT GCACCCAGTC AGCAAAGAGG
28451 TTTGCGGCAC ACCATCTATG GGCAAAAGGT GAGTTGTTTA GTGGGTACAA
28501 GAAAGGACAA GTCCTGGCCA TTTAACAAGA CATGGGGAGT TGTGTCATTC
28551 TGAGAGAGCA CCACCCCTGG CAGCAGCCTG ATGCCTGGTT TACAATACCA
28601 AATGGACTGG CTCCCCTCTG TAATGTGTTG CAGGAGGCCA GAGGAAGACA
28651 GTGGAGGTAT AGTGTTTCAT GAGAGGATGT TCATCCCCTT GCACAAGGGA
28701 GGACTAGGAT TCATTATTTT AGAATTACAG TGGAGAGTAT GGTATGAAAT
28751 AGGTGTGACA TATATATCCT GTTCTAGGCC CTTCCCCCAT GGAGCAGAAA
28801 AACTGAACCA TCGGGCTGGT TTGCCATTTC CCAGAACCAC GTAATGATGT
28851 GCTCCCCAGT AGGTTGGTCC TGTGGCAAGG GCCATAGCAG ATTACTTTGT
28901 GTCCCAGGTT GGGGGCAAAG GTCTGCTGTC CCTTACCCTG TCTACCTGTA
28951 TCCTGATGGT CGTATCACAT CCTTGTGTTA GAAGAGTATA CATGATGGGG
29001 TGATGAGAAT GTGCATATTT ATTCAGTTTG TGCACGGCTG CTGGTAAGCA
29051 GCGTGTCCAC AGAGCCAACT CCTATAGGAG TTGTTTCAAC AGTCCATTCA
29101 ATTTGTTCAG TCAGCCCCAC TGCTGTAGGG TTGTACGGCA GGTGAAAATG
29151 CCAGTGGATA TCCAGGGCCT CTGCCTATTC TTGTACTTTA TATCTGGTAA
29201 AGTACGAGCC CTAGTCATTG TTAATTTTTT TTTTTTTTT GAGATGGAGT
29251 TTCGCTCTTG TTGCCCAGAC TGGAGCGCAA TGGCGCGATC TCGGCTCACT
29301 GCAACCTCCG CCTCCTGAGT TCAAGCAATT CTCCTGCCTC AGCCTCCTGA
29351 GTAGCTGGGA TTACAGGTGT GTACCACCAC ACCTGGCTAA TTTTTTGTAT
29401 TTTTAGTAGA GACAGGTTTC ACTATGTTGG GCAGGCTGGT CTCAAACTCC
29451 TGACCTCAGG TGATCCACCC GCCTCAGCCT CCCAAAGTGG TGGGATTACA
29501 GGCGTGAGCC ACTGTGTCTG GCCCATTGTC ACTATTGATG GAGACGCTGT
29551 AGGCTGCACA CATCTGTTCT GGTCCTTTTA TGGTGGCATG CTTGCTGGGT
29601 TATGCTCGTT GTAGCCCTGT GCAGGTTTCT GCACAAGTTA AGGCATAGTG
29651 GCAGCCATCC AATAGGGGCA AAGATCCTAT GTAGTCTACC TGCCACCATT
29701 GTGCTGGGCT CTGGCCCTGG GTGATCTTTC TGGTATCAGG TGGCAAGGGC
29751 CTGGGGTGTT CCTGTGCATG GGTAAGACAT TGCTGACAGA TGTGTGACTGT
29801 GTCTTTGTAT CATAGTGGCA GGCTCCAATT CTTTGCTATG GCCCAAAGGG
29851 TAAGTTGTCC CCTATGTCCT GTCTTCTTTT GTAACCAGTT GACCACATCG
29901 TCTGTGGGGA CTCCCTTGAG GAGACGAATG CAGGTTAATT TGTCTGCCTG
29951 TTGATTTCCA GGTTGGTGTA GATGCAGTGT GGGGATCCAC ATGGTAGATC
30001 ATTTTATGCA TCCCCCAGAT GCAATGGGGA ATGTCCTTCT ACATGTCAGG
30051 GCACCAAAGG AGGTGACCTG CTACTGTCTA GTCCTGTGCT TCCCATTGTA
30101 GTAGCCACAT GGTGAGTCCC TTTACATTGG ATTAGGTAAA AGTAATCTAG
30151 AGATTATTTA AATTTATATGG GAGGATGTAC ATAGGCTACA TGCAAATACT
30201 GTGCCATTTT ATATAAGAGG CTTGAGCTGT CCTTAGATTT TGGTATCTTA
30251 GGGGTCCTGG AACCGATACC CCATAGATAC TAAGGGATGA CTGTATCCTA
30301 TCAGACTTTT CCAAAGTACA CACACACACA CACACACACA CACACACACG
30351 CACGCACACA CATGTAATCA GATGCATTGT TGGCAGTATT GATGAAGACA
30401 ATATTTATTG ATATATCGTG CTGTGGAAAT CAGGGAGAAA TGTGTACTGG
30451 AGAATCACAA TTTTCCTTAA GGAATGTCAT GCCGGATGCC TGTTAACTTC
30501 AGACAGCCCA CCTGTGAGTA CACAGGACTG CTGGGTCTGG CTTATAGAGG
30551 AGGACCATCC TGGCAGCTTG CAGCTCAGCT CATTGGCTGC TATGTCCTTG
30601 GCCTGTATCA TCAATCCAGA TCCTGTCAGT GGATGGCTGG ATGGCTATGC
30651 CTGCTCAAGT GCAAGGATTG CCTCGTGACA AGCTGTTTGT GTACCAGGCC
30701 TGGTCAGTCA TTGGGCGGTC AGACATTGGG CCCTGTCTAT CCTGTATGAA
30751 GGAGAGCATC TGTGGAGGCT CAGCAGCCTC CCTAAAAGAC TATGTGACAG
30801 TTGTTACATA GATGACAGGG CCAAGCACTG AATGGAGCTC TGAGCTCAAG
30851 GGGCTATTAA TGTGCTCCTT TGTTGCAGGT ATGTAAGCCA TTTGGCCACA
30901 GTCTGTGTCT GGGCATTCCC AGACTTCAGT TTCTGGAAGA TACCCTTTAG
30951 CCAACCTGCT TTGGGGTACT GGCTGCATAC TAGCATCAGG ACCCCTTTTG
31001 TAATGTCCTC TACTTGTTGT AAGGCATAAT GTATAGCACA GAGTTGTTGT
31051 TCCATCACAC TGTATCTAAC TGCACCCTTT TTCCGTAGCT GGGACCAGAA
31101 TCCTAAAGGC GCATATGTAT GTCTCTGCCT TTGCCACGGG CCTCACCCAA
31151 ACCCCTCAAG GTAACTGGCT ACATCTAGTT CACAGGCTGT CTCTGCACCT
31201 GAACTCACAA GGCTTGTATT TATTTCACTG TGACTTCAGC TGGTTCAAAG
31251 GCCTCATCCT TCTTCGTGGA TTAGTCTCAG TGGGCCCCCT TCTTGACTAA
31301 ACAGTATAGG GGTCTAAGGA GTTGGGCCAA ATGAGGAATA AAATGATGCC
31351 CATACCCTAG GAGTCCTAAG AAGATTTATA GCTGCTTTGG TGTCACACGA
31401 TGTGAGTAGG CCTGCACCCT ATCCATAATG GCAGACTCAA GTATTTGGCT
31451 GATAAGCCTG GACTCTGGAT TTTTGTCTGT GTTTATAGCT CATCCTGTTT
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FIGURE 3I

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31501 GCCAGATGAG GCAGCAAGGT GTGAGGGCGC AGTTTGAAAG CTGGAAAAAG
31551 ACTCAGAAGT TAGCACGATA TCATCACTGT AATGGAAAAT GTGTACCCCT
31601 TCCAGGACCT CCATGGCTAT ATAAATATCC CTGGGGCAAG ATGGTAAAAG
31651 TCTATTGTTC TTCCCAGGTG AATGCAAATT GGTCTTGACT CTCTGCGGCA
31701 ATGGGGATGC TGAAGAAGGC ATTGGTTAAA TCAATAACAG AGTGGTAGTG
31751 GTATGTGTCC AGTGCCTCTC CCACCCTCTT TAGAAGGGAG GTGATATTGG
31801 GAACATGTGC ATACGTTGGG GGGACTGCCT TACTTAATTC CCAGTAATCT
31851 AGTGTCATTG TCCATGTCCC ATCAGGCTTC CACATGGGCC GTACATGGCT
31901 GTTGTATGGG CTGTGCACTG GCCTTGTAAT GCCTCCTTGG GCTAACTCCT
31951 TAACAATCCC TGTGGTTTCA TTATGTCCCC CCAGCAGGCA GTATTGCCTC
32001 AGTGCTACTA CTTGCTGTGT GGGGTTGGCA ACTATACTGG TGTCCATTTC
32051 GCATTCCCCT TGGTCACATG CTTCACCACT CTCAGTCAGA ACTCCCCAGC
32101 AGTTGTTTGG AGGGTCAAGC CTGATAAGAT ATCCATTCTC AAGATGTATT
32151 CCAAGATGGG AGCTATACAT ACTAAATAGG GTTTTGGTGG CAGTCTCTCA
32201 ACTTGTAATA CTCAGACAGT TCAACCTTTC TGATCCCCAT CCATAACCAT
32251 CTTTTTGCCAT TTTAGCCCCT TGGAACCAAC GAATGTCACC ATATATGAAA
32301 GTGCATTTGG CTCTAGTATTC CACTAGGGCA CGCACAGTGT GTTTATTCTT
32351 AGGCGACCAA TATATAGTTA GTTCTACATG TGGCCTCTGG TCCCCAGGTA
32401 CCCTGGCCAC CATTACTCTT ATCAGGGTTC TGGGGCCTTG GCTTTCATCC
32451 AGTCTAACAG GGTTGACACT TGCTATCCCT CTGCAGGAAG GGTGGCGGGC
32501 TGAACCTGAG GCTCCTTAGT GAAGCACTCT TCTGGTGTGA GCTTCTGCCA
32551 CAGTCTGACC AGAACAGCAT TAGGCTGTTT ATCTGTTTTC ATAGTAGCTG
32601 TTCCTGCCAC TACCAGGTTG TGCCACATTT GTTGGTCAGT CACCCTGATG
32651 GGCCCCTTGG CCGTCTCCTT TCCTTTGGCG CCCTTGTCTT TCATCCCAGC
32701 AGCACGTACC CTTTGCCTAT GCAGTTTCTC CATTTCTCAT AAGTTGGTGG
32751 CTGCTTGGGC CACCTGAGAC ACTGGCTGTC CTACTAGGGG GCTCTGGGTA
32801 GACACTAGCA CACCATACCA TTGGTTGAGT GCAGACTAAG ATGGTGTCTT
32851 TCATGTTGGC AGTGAAAAGC TCTTTGTTGG ACCTTGGTGA TGTTCAGCAT
32901 AGATAGCATG TTTCATCCCT AATTTCCAGA TGATGTCCTG CAATTCCTCC
32951 ATAGTCTGCC ATCACAAAGG AGATATGGGG ATACTGCCCT CATCTGGCCA
33001 CGCTTCATTG CAGCCCACAA CCACCCAGCT AAGGAGGGGC ATGGCCTGAT
33051 CCTCATTGTT GGCACCATAG AGGTGCTGCC TCAGGGCTGG GTGGCATGCG
33101 ATGTATGCCA TTCCACTCAT CTTGAGTCTG GAGAGTATAA CACCCTCCAT
33151 CCCCGTGTCC CATAGACAGA GAAGCCACCT CTCAATCAAC TGTCTCTCTT
33201 CCTGAACCCA CCTTCTGCCC AGCTCCACTA GTTCCATAGT GGTGTAGTGC
33251 TGCATTGTGG TATGCTACCA TCTTTGTCAGGC AGAGACAAGT TTTGTGGGTC
33301 TACTCCCTGC AGGCACCATT GGTCTGACTT TATCTTGGTA GAGAGAACAG
33351 GACCTCTATG GGCTTATCCC AGTCCTCACT CTGCTCCTCA CTAGAGCTCT
33401 CCACTGGGTC CCTGGACTTA GGAAGATTTA GTCATATAGT CCTAACTTGG
33451 CATGGGAGCT GGCGACCCTT CAAACAGGCT ACCTGACAAG CTGGGATTTC
33501 CATTTTGTCA TCCTGTTTCT GCAGGTAGGA CAGTAGGGTC TCTGATGTTT
33551 TAGGTTGAGC TAGTCTGGCA TCTCTTTCTA CTCATAGTTC TTCCTATAAC
33601 AGACAACCCC TGGCCTGTGC TGGGAGCTCA GCCTCAGTGG CTGCTGGGAG
33651 CACAGTCAAG AATGGCCAGC CATTGTGGCT GCCACAGCTC AGGCATCTAA
33701 CTTTTGCTTA GTTAGATCCA CCCCCCCTGCA ACAGCCTTTC CAGACCCTTC
33751 GGTGTTTTTG GGGTGTTCTG TACTCATACA TTGGGTCCCA TCCATCAAGG
33801 ATAGTGGCTT TTGGGCACCA CATAAATGTG ATGGTCAGCC CGGGACCCCC
33851 CCTTGGATTT CCCCTTTCCT GATCTTACGG TCTCGGTGCT CATGAAATTT
33901 TTCTCCACCT TCCTGCTGGG TTCACCAGTT GTGGTACTGA GTCCGTGTTA
33951 ACTTCTGTAA GGATGGCACC AGGTTCAAGA GGCAAAAGAG ACCTGGAGCT
34001 AGCAAACAAG ACATAGGGTT TTATTAGGGA GAACTAACAT ACAGGGACAG
34051 TCCAGTGGTG GTGGACTAGA CAGGAGAACC TCAACTGCTT GCAAAAAGCA
34101 TGCAGCTTAT ATAGCACTTT TATTTGGCAC CCTCCGTGCA GCAGCCTTCA
34151 CGTGGCAACC CTCCTTTCTT AAGTTATTGC TCTCAGGTGC ATTTGCCATA
34201 CACCCACTCC CACCGTAATG GCATTAATCC ATTCCTGAGG ATTAATGTTG
34251 TTACGGTCTC ATGGCCTAAT CGCCTCCCAG TGGTCCTACC TCTTAATACC
34301 ATAAAAATAT CAATTAAATT TCAACATGAG TTGTGGAAGG GACATTCAAA
34351 CCATTGCAGT TATTTTAGAG CTTTAGTTCA GAAATACAAA TGCAATAACT
34401 TTTACCTCCA AATCATTGAC TCATAGTTGT CTAATTTAGT AGGCTTTGAA
34451 GACCCTGCCT TTAGTCTTTT TGACCTTTTA TCTGGACTGA TATATGTAGG
34501 GAAAGAGGCT CAAGAAGGAA AAACAGTTAG GAAAAGAAAA CTTGGAAGAG
34551 ATATTTAGGA ATCTTTGAAT ATCTTACTGT TGGTGGAGAA AATCGTTTTT
34601 CTTTCATTTT ATTTGATCAT TACCACAATT TCTAGGTTAT AGGAATCACA
34651 GTTGGGAGAG ACTGCAGGTT ATGTAGACTA TCAAGGACAAA TACAAACATT
34701 CTTTTGGTAC ATTTTGCTCT AGGACTGGGT CTCACTCTGT CTAGTTTCTG
34751 TGAAGCTGCT TCTAGCGTCA CAGGGATTAG TGGGCCTGGT CGTAGAAATG
34801 GATTACCTAG GGATCAAAAA GCAGAAGTAT CAGTAGATAG CTTTGCTTCT
34851 TTCATTGCAT AAGGTGGTAA TGAAGAGTCT GGATTGCTGT GTAGGTGTTG
34901 CTCTGTAGGA CTTGCCATGT TCAGCATGCC TTACTAGAGA CTTTTTTGACT
34951 TTCTAATACA TTTTATGCAC TCTAGAAGGC TCTGGAATTT TTGCTGTCCA
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FIGURE 3J

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35001 GAAATACACT GTCTGATGAA GGAAAGAGAT TTGTAAACAA CTACAAATAT
35051 AATGATAAAC TACTCATAAA AATGTAAAAA TGTAGTGACT TCTGTGAGGA
35101 AAGCAAATAC TGTGGTTAAA TAGAAAAAAT GACATCTAAG AAGAAGCTTA
35151 GAGTAGGAGT TCTACAGTGA GAAAGTGAGA AAAGGAAAAC ATTATTTGAT
35201 TGAATCCTCC TACCAACCCT GTGATAGAAG TATCAGACAG ACTCAAGAAA
35251 GGCCTCAGAG CGAGTATCCA GCAGAGCTGG GATTTAAAGC CAAGGTCATC
35301 TTACTTCAAC TTCATGCTCT TAATTAAAAC TAATAAAAGG TGGATCTTGT
35351 TTAGAGGGGT ATAAGACTTT ATAATTTAAT TTTAGCGGTT TACTACTAAGG
35401 AGAGCATCAG TTGATAAAGT AGAAAATATG CAGGTGTTGA ACTGATCTAT
35451 TTTCCCCTAA TCTAGCAATG AATCAGATTA TGAAGAGTAG TTTTATTTAT
35501 GTATTTATTT ATTTTGAGAT GGAGTCTTGC TCTGTCGCCC AGGCTGGAGT
35551 GCAGTGGCGT GATCTCGGCT CACTGCAAGC TCCGCCTATG AGGAGTAGTT
35601 TTTAAAAAGA TTAGTGTTCT AATTACAGAA TCCAGTAGGG AAAATATGTT
35651 TGGTTTTGTG TATACTGTCC CAAATACTAG TGTATGTTGT ATTATGTAGT
35701 ATCATTTTCT TAACTTTATA TAGCAGAATA AAATTTGAAA ACAGTATGCT
35751 GGAATTTTTG CAAGAGAATT TTCTAATGAG GCAGGGTGGT ATAGTGTAGA
35801 ATAGGTTTTG AGAGTTGGAC AGACTTGCTT TTAAAATCAG GCTTGTGATC
35851 TTAGACAGGT TCTATGCCTT ATCTGAGCCT CAGTTTTCTC CATTTGTAAA
35901 TTGAGGAGAT TGGAGTAGAT GATATTTTAG TGTCATAATG CATTATGACA
35951 TTCCCTGGAC GTAAGGGAGA ACAAGAAAAA AATGGAAGAA AAAGAAGGAT
36001 AGGAAGAATT AGAAAAAGGA AAGGGAGAAA GAAGGTAAAG AAAAAGCCCT
36051 AAGCCTCTTC AGGCCTCATC GGCTATTTTC AGTGCTCTTC TCTTTTGTAT
36101 CTGTGTGAAT GACTTACACT TATGTAGTTA GGGTTTTCCC ATGGTGTTCT
36151 TAGAAACAGT GCTATAAAGC AGACTAATGT TGGTTGTGAA GTGCACTGCA
36201 TTTTCTCATT GGAACAGTTT TATAATTTCT GACTAAAGAC AGAGTAAATT
36251 ACCAGTTTGA TTAGTAGTGT GACTTAGAAA GCTGAAACAA TTGGGAAACT
36301 ATAAGCATTT GAAGTAGTAG GACTATGTTC CAAGTGCTAT AGAATAGGCA
36351 TAAGTGTATC CCACTTATCG AACATAACAG CAGCATTCCT GTTTACTATG
36401 ATGTGTGCAT TGAGCATAGG GAAAAACATT CATTCTGCAT GGTAGATTTG
36451 AACTACTCTC TTAGCTTTAA ATAAAAGAA TTGGACATTT GGTGTTGCAT
36501 TCCACCTCAG GTTACAGCAG TTATTAGGGA ATAATTTGAG TTGCTCTCAG
36551 TCCTTTGAAA TAACTGCCTA CACAAGTTTG AACTCACATC TGTTTTTTGT
36601 TGTTGTTGTT GTTGTTAAAC ATGATAAGTT TCCTTGGGCA GGTGCAAGCA
36651 GTCACAATCA TTACACTGAT CTTAGAATTA CCCAGAAAGT TAGAATAATT
36701 GTTTTTTTAA AGAGTCATGG TAATATCTTA ATATTTGGAG GCAATATTAA
36751 TGACTTCTGG TATATTATAG GTGCTCAATA AGTATTTGAT TAGTTGAAGA
36801 ATAATTTGAG AAATATGTGT GAAATCTAGG AGACATAATT ATTACCCTAT
36851 ACACCCTTGA TAAAGGAATA GTGTTTATTA ATTTTAGAGT TGAGCTTAGT
36901 TTTGTTTGTA AACACCTTGG GAATCATCTC TTTTTTTCCA CTCTTTGTTG
36951 CCTTCAGAAA TCTCTGCTTT GCGCTGAGGA AAGAACTCTG AAGTGGTTAT
37001 TCCTGCCTTT ATAAGTAGCA ATGAGCAAGT TATATGTTCT GTGTAATCTT
37051 CAAAAATGTA GGACAGTGAG GCTGCTTTAA ATAACTGGTT TTAGTCCATT
37101 TTTGCCTTCC CACTGACAGA TTTCCAAGCT TTGGCTCTGA TACGGCCTTT
37151 AACTACATTT GTTTAAAACA AGTGCTTTTC AGGAGGTGTT TTCATTGTTC
37201 ACCAGTTGTG CTATGTTTAA ATGGAGTGCT TGTAAATGGC CACTGGCATA
37251 TATGGGTAGT TAAGGCATCT TGACCAGATT CGTGAGTTTG ACACTAAGAG
37301 ACTCCATCTC CAGATGTATT TCTGGGTATG TAGGTTAAAT CTATCTCTTT
37351 CTATTATTTA TTCTTCCCCA CGGAATTCAG GTTTGTTTCA CATGTTTTTA
37401 ATTCAGGACC AATCACTTAG AGCAAAGAGT CTTAAACATT ATTATATGAG
37451 AATCACCTGT AGAATTTACT AAACTCGGTT ACTGAATCCC CCTGACAAGA
37501 GTTTCTGATT CAGTAGGTCT GAGCTGGTGC CTGAGAATGC TAACAAGTTC
37551 CCAGGTGATG CTAATGCTGG TGCTAATGCG GCTGATCTGG AGACCACACT
37601 TTGAGAGCTA TTGACCTATA GGGCATTAGT TCCTAAACCT CATTATGCAT
37651 CAGGCTCACC TGGGAAACTA CACATTCACT CATGCTCACA GTCACATTCC
37701 CACTCATAAT TAAGTGTTTA AGGGAGTTAG GAAGCTGGAG GCAGGATCTA
37751 TAATGTTTTC CAAGTGATTT TGAAGCAGCC AGTCTTGCCC TTGTCTGTGA
37801 TTGGACATTT GATTCGCTGA TTTAGGCAAG TGGTTCTCCA ACCTATGTAA
37851 GAAGCATTTG TAGAGCTCGT GAAAACACAG TTCTGGGGTC TATCCTGCTG
37901 ATTCCTGTAG GTCCAGAAGG TCCAAGTGGG GCCCCAGATT TGCATTTCTA
37951 ACAAGCTTGC AGGTATGTCA TTGCTGCTGG TCCAAGAACT GTACTTTGAG
38001 AATCACTGAT CTAGGGCAAC CAACTACCCA GTTTTTGGAG ATTCTCTAAC
38051 TGATTTAAAT AACTGGATTA AATTTAGGGA TTGAAATTCT TTGACCGTCT
38101 CTAATAGTGT TGTTGCGTTT CCTCCCAGAA GTTTTTTGTG ATAGTAATGT
38151 GCTCTTCCAA ACTATCATTT AACTTTGCCA CTCAAGACAA AATAATGTC
38201 TTAAGTTTTT CAGTTATGTA TAATGGTTCC GAATAAAACT TTAAAAGTGG
38251 CAAATAATTC TGAAAAAAAG TCACAAGTAA AACAGTTAAT TAACAATTCA
38301 GAATACAAGT AAGAGTACAG ACATGTGTAT TTCCTAGTTA AGATTGTGGA
38351 CCTGCATGTT TGTGCTTTTT ATATGTTGTG TCTCTGATGA TTTTCCCTCT
38401 TCTGGACTGC CGGCATAGTGA AGGAAGCTCT GTACTTTTTA ACAAAAGTTG
38451 TGCACGTATG TCTAGTAATG GCATGAATTG AAGTGATTCA GAATTTCTTA
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FIGURE 3K

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38501 GAACATAGTG AGCTATGCTT CCTGATTGTT TCTGTAATCT AAAGGTTATT
38551 GTTTGTAGGA TATGAATACA AAACCTCTGT AGTGTTTGTG TAGATTGTAC
38601 ATGCCTTTTC AGAGGATAGA AGGTTTACAA TCCATACTTT GTGAGAGTGA
38651 TAATGCGTCT TTTACAGTGT GCTTACTCTC AACATCTCTA ATCTTTTATT
38701 CCAGGTTACT AAGTATTTTC CATATCTTTT AACTTTGTTC CCATAATGAA
38751 TATGAAAATT GGAAGCACTA CAATAGGAAG TGTTGCTTTC AACCCTTAGA
38801 TCTCACATTA TCTGAGCAGA TAACAACGTT TGGTGTTTGT GATTGGGTGT
38851 GAAGCTTATT TTCAAAAGTT ATATTTTCTT TATAATTCAT TTTTTAGCTA
38901 GAGTGTGGTT TGATATGTCG TGACTTGTCC AAAGAGCTAA TGTTTTGTAG
38951 TTCACCTTTT TAAAGCAAAG AGCAGCTGCA TTTTGAAATG TTTTTATCTCA
39001 AATGGGCAAG TTGTTTACAA GCTAGACTCT AACACATCCT GACATTTAGT
39051 GTCTGTGTTT GTATTCCTGC TGGGATTAGG CTGCCTTTCT AATTAATTAG
39101 TTGCATAGCC TTTTATTAAT TCCCTCAAAA TTTATAATGT TTTAAATTAA
39151 CAACATAGAT AAGCATACTG CATTTTTTGG GAAAACATGA AATGTTAATT
39201 ATGTAGCAGT GACATAAGTT TCGTAAACTC TGTTGAATGT TAGAAGATGC
39251 TTACAACAAT GTTTTCCAAA TATAGGGATT TATTATAAAC TTATCCTTCT
39301 AAGGCTGCCT GTGCCATTTC AGGAGAGTGA ATATAAATAG ATCTTGATTT
39351 CTTCAAGAAG TGGACTTAGT CATTTTGTTT ATGGTGAAAG GAAGTATTTG
39401 CTTTGCGTCT CTAAGAATTG TCTTTAGCAT CCTTGTTAAT TACACATCAT
39451 TTCAACATGT TCTTACCAAA TTCTCAGGCC TTGATAAGGT AGCATAACAG
39501 AACAGGAAGA ATTAAAACTC ATATTTAAAT AATTATTTTG TTATTACAGC
39551 ACTTAAATCT GTCTAGTAGC AATACTGAAT CTAATAATTG TAACTTTTTC
39601 TGAGATGGAA AATTTTATCT CTTGTCCAGT GTTCTGAGAT ATTTTTAGCT
39651 CATTTGTCCC TCCACCCCCA ACTAGCTTAC TTTAACAGGG ATTTATGGAG
39701 CATCTGCTAT GTATGTAATA GTCCAACTCT TATGAAAGGT TCTGTTTCTA
39751 ATATTTTTTA CTATTTTTTC AATTCTGTCA ACGTTGTTTT CTAAGTTAGA
39801 ATTAAAATAT TGATACTGTA GAAATTTGAT ATTTTAAAAT AAAGTCCAGG
39851 GAAATAATGG GACTTATTGC AAAGCTTATG GTGAGCTCTA CATTCAGATG
39901 CTATCATTAT ACTTTATCAG CTGATAAACA TTGAGCAAGC TGTTCAACCT
39951 CTTGGGTTTT ATATCCTCAC CAGCTAAGTA GGGATAACAC TATATGGTTT
40001 TAAGAGTTCT TATGAGGTTT AGTAATATAG CCTGGCAGCA GTGGTGATGG
40051 TTTATATAGG CCCTTGATAA GTGTCACTTA ATTCTCCTT TTCTTCTTTA
40101 GCCTCTGGAA AATTGATATT TAAACATTTT CTAAAAATTG TATTTTACGT
40151 ATATTTATGC ATTTCTCTGG TAGAAGCTTG TTTGGATTTT GGCAATTTTT
40201 CTGATATGAA GTGTTCTTGA TTATCCTAGT ATAAAAGATA GGGAAATCTG
40251 GCAGAATCCT TTGCTTTGCT AAAGTAGTGA TTTTCACTGA ATCTGAATCA
40301 GTAAAAATCT TGCCTGTCAG TAAGAATATG CAGACTAGAG ATATGGCTTG
40351 TTTTTGGGTA GCCTCCTTGA CAGATTTTCT TTCTTTTTGA GACGGAGTCT
40401 TACGCTTTTT GCCCAGGCCG GAGTGCAGTG GCGCAGTCTT GGCTCACTGC
40451 AACCTCTGCC TCCTGGGTTC AAATGATTCT CCTTCCTCAG ACTCCTGCGT
40501 AGCTGGGATT ACAGGCATGC ACTACAACGC CTGGCTAATT TTTGTATTTT
40551 TAATAGAGAC GGGGTTCCAC CATGTTGACC AGTTTGGTCC TGAATTCCTG
40601 ACCTCAAGTG ATCTGCTCAC TTCAGCCTCC CAAAGTGCTG GGATTACAAG
40651 CATGAACCAC TGTTCTGGCT GACAGATTTT CTTGCTGAAC TTTGGGTCAT
40701 CCCAGATGTG AGTTCGCTGT AGGCGTGTCA TAGAGCAACA GTAGTAGGAA
40751 TACAAGTTAA ATTGATGTAT ATGTCATGAT AATCAGTCCA ATTCAGTGGT
40801 CCCCAACCTT TCTGGCACCA GGGACCGGTT TTGTGGAAGA CAGTTTTTCC
40851 ATGGACCTGG GGTGAGAGGG TGGGGATGAT ATCCGGATGA AACTGTTCCA
40901 CCTCAGATCA TCAGGCATTA GATTCTCATA AGGAGCAGAC AACCTATTTC
40951 CCTCACGTGC ACAATTCACA GTGGAGTTCA CACTCCTAGG AGAATTAATG
41001 CTACTGCTGA TCTGATAGGA GGCGGAGCTC AGGTAGTAAT GCTTGCTCGC
41051 CTGCTGCCCA CCTCCTGCTG TGAAGCCCAG TTCCTAATAG GCTAGTACCA
41101 GCCCATGGGC CATTGGTTGG GGACCCCTGC TCTAATTAAT GCATTTTACA
41151 AGGGACGTAT TATTGTAGCT AGATAAATAA GCAGTAATTT TGCAGCATAT
41201 TTCATAAGGC AATGAATTTT CTCCTCTGTT TTATAATTCT AAAATGTAGT
41251 TATAGAATGT TATATTTGTG ATATTGGGAT TTGTCCTACT GTGTAAATAT
41301 TATGGATATT ATATAGAGAT GGAATTATTT TTATCAGTGA AGTGGGTATT
41351 TTAGTATTAC TTTTGCTACT CATTTGAGAT GACTGGAACT GAATGGTTTG
41401 TTTCAGAAAA AGAGGTGGTA GTTTTGATTC TGTTAAGCT CTAAATGACA
41451 TATACTATTT ACTTTGCTAG TAGAAGATTT TCTGGGTTGT TTTGCCAAGA
41501 CTATAAAAAT ATAAAACTTG AGGAAAGGTT TTCTTTCTAA TTAAAACAAT
41551 CACAAAAATA AAACCAGGCT ATCTAAATAA AAGTTATTTC TGAGAGTTAT
41601 TCTTGATTCT TTTTTCTCTT ACTCTTTTTT TATCTAATCC TGTCTCAGCTCT
41651 GTTTTCATAC TTATTCAGAA TTTGACCTCT TAAAAAAATT AACTACTTTC
41701 ACTGCTATAC CACAGTTCAC ACCATCATCA GCTCTTGTCT GGACTATTGA
41751 AATACCTTCT TCCTGCCTAC TGTTTCTTTT TCACCTCTCA TCTATCTTTA
41801 TTTTTTACAT TGTCTAACTT GGAAGACTTT GAATTATAGG TTTTGAAGAT
41851 GAGGACAGGT CTAGGTTAGA GATATGGACT TGGGAGTTGT TAGTAGTTAA
41901 CATGGTGAAG CTGTAGAAAG AATGAAATCA CTAACAGAAG GTGAGTAGAG
41951 TTCCTTCACT CATTGAGCCA GGTACTGCAC TAGATGGTGG GGCTACCTCA
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FIGURE 3L

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42001 ATGAATAAGA TAGACTTGGG CTCTCTCCTC ATGAAACTAA GACTCACAGG
42051 GAAATGGAAC AGTATATAAG ATAAGTACAA TACAGTGTGT TGGGTGTTAT
42101 GTGAATGATC AGGGTGCATT CAGAATGCTA ATACAGTAGA AAGGTCTTGG
42151 GAAATACTGT CATTCAAAGG TTGGGTTGTT AAAAAATATT TGGTATAGGA
42201 AACTGAGGAG TGGCTAGAGA GATGGGAAGA GAACCCAAAG AAGTGGTGAC
42251 TCAGATGAAA TGAGGTAAGC ACTCAGTGAG GAAATAATGG GTATTGGTTC
42301 ACACTCATTG AGTACTTGGA TTATGTCAAC CACTGTTTGA AGCACCTTGT
42351 ATGTACTGAC ACATTTCTTC CTCACAGCAG CTCTCTGAGG TTCTCTTTAT
42401 TTTGTAGTTG AGGAAACTTA TGTCAGATTA AGGAAATTTC CCAAGATCAC
42451 ACAGGTAATA AATAGTGGAA CTAGGATCAA CAGTGTTGAT CACAGTAGAG
42501 ACCACAGTTA CATAAAGTGC TTAGTTCCCT ACTTGGGAGG TCATGGGAGT
42551 GTGGAAGAGA GACATTCTAG TGGTGTCTTG TGCCTAGCTG CTGGATTGCA
42601 ATAAATTGAA GGGTGATTGA TTGAGAGTTG AAGAAGCAGA TATAGTGATT
42651 GTCAATTTCT TTTTTAGTTT TGTTGATGTA TTATTATTAA TATTTAGAGT
42701 TTTTATGCTT TCCATAAAAG AGGGATAAAT ATAGTTAGTC CTCCCTCCTT
42751 GTCATCCCTC CCTGTCTCCA GTAAAAACCA AATCTAACTA TATTTCTTTA
42801 TTATTTTCCT GGTTACTCTT CTCTTACCTG GGCCCTGACT TAGTCTACCC
42851 AGCTGTGAAT CTTCAGCTTC TCTTGGCATA CAAATTGTAC TCTAATCACC
42901 TTTTTTCAAA TAACAAAAC AAAAACAAAA CTCAGTATTT TAGTAAGGTT
42951 GTTAAGCCAG GTAGGTAAAT AATGAAATAT GAAAAATTTG AAAATGGAAA
43001 CTGTATTTAG GGCAGTTTGA AACCTAGGAC TGGTGAAGTG AATTAATCTT
43051 GATGTTTTAC AACTATAGGT TGGTGCAAAA GTAATTGCGG CTGGGCATAG
43101 TGGCTCACAC CTGTAATCCC AGCACTTCGG GAGGCTGAGG CGGGTGGACC
43151 ACTTGAGGTC AGGAGTTCGA GACCAGTGTG GCCAACATGG TGAAACCCCG
43201 TCTCTACTAA AAATGCAAAA ATTAGCCGGG TGTGGTGGCA CATGCCTGTA
43251 GTCCCAGCTG CTTGGGAGGC TGAGGCACAA GAATTGCTTG AACCCAGGAG
43301 GAGGAAGTTG CAGTCAGCCA AAATCATGGC ACTGCACTTC AGCCTGGGCA
43351 ACAGAGCAAG ACTGTCTCAA AAAAAAAAAA AAAGTAATT GCAAAAACTG
43401 CAACTAGAAT AGAATAATCG ACTACTCTTT CAGAGATAAT TTAGTACATT
43451 CCCTTATTTC ACAGATGAGG AGAGACTATG TGATACATTT AAACTCAAGC
43501 AGTTAGTGAG AAATAAGCCT TGGCTCAAGG TTCAGATCTG GAGACAAATG
43551 TGCCTTCCAC AGTGCCATTA CCTTTAAAAG CAACTTTTGA AAGTGATAGA
43601 GGGTTTGGAA TAGACTGGCT CCTTTGATCA GTTTAAGTTA CAGCAGTCAC
43651 TTATAATATA AATAAGGTGA GAACTACAAT AACCTTTAAG GATATTCTAT
43701 TTGATTTTTT AAAAATTTAT TTATTAATGG GCAGTGAGAA ATGAAACTTT
43751 CCTAGTGGTA CAGCAAGTGA TACTTAGCAC CTTGTCTATA CTTAATACAG
43801 AGTTGAGGGA GAATAAAGAC TCCAAATAAA ACAAATTTTT TAGAGTTCTG
43851 ATATTTTGAG GAAAGTACAT TTTAAAAAAA GGAGACTTAG ATTTTTGTTA
43901 TACTTGCTTT GTTTTCATAT ATGTGAGTAT ATCATTAGCA AATTTTATGC
43951 TCAACTTTTA GAATTTAAAT ATGAGATCCA GATGTCCAAG TTTTATGTTA
44001 CCTTTTCATA TAATTAAGTT TCTGTAGGCA GGTAGTAATT CTAAAAGGGA
44051 TTGTTAACTT CTCTGATCAG TTTAATTTTA TTGTTAGTTT CTAATGAAGG
44101 AGCTTAATTG TGATCTCAAA AATAACATAT AACTTAGCAA GCACTGAGTA
44151 TAAAATTGTA GGATTTTATA AACATGGGGA CAAGATGATG TTTGTTGTTT
44201 GCATCTGGAG CAGATGGTTT TGAAGAGCAT GGGTTTAGAA TAATTGCTCT
44251 TGTCCAGAAT TGGTTATATT GAAATATTGA TGTAGAGCTT GAGGTGGAGC
44301 AAGTCATATA CAAGTCATAC GTTGGAAACA GTGTGTTGAC ATTTGGCTCT
44351 CTAAAGCATT TTGCCTTTTC TTCCCTTCAA GGTATCTTGT TTTCCAGTCT
44401 TAAAAATTTT AAGAGCACTG GAAAATAAAA TAATGAAAAG AAGATGATAC
44451 ATTTTTTGTT GAATTAGCCA CACCTCTTTT TTATTTCAAA ATTGTGTTTC
44501 TTAACATAGC AGTATTGCTT CTGCATTTGC TTACATTTTT AAAAAATTAA
44551 CTCCAAAGTT AGTGAGAAGA GGAAATGTTG ATGGCTTACT TTCAACCATA
44601 TTCCTAGTATG TACATGTGTC CATTTGTTCT TCTAGTTAAT TGTCTTCAGG
44651 TTTCTAAAAA TATATGTATT TTTAAAAATT TAATCTTTCA TTATGGGTTC
44701 CAGTATGGCC TTATTAGAAA TGGTGATGGC CAATAATTTA AACTTAGCAT
44751 CATAGAATTT TAAGTTATTT AAATTTGAAT AATTAGACAA AATACATTTT
44801 AATCTTTTCA TTTAATAAAT GAGGTAACTG ATGGCCAAAA GGGCTAAGTC
44851 TTATTTAAAG TTGTGCCTGA GCTAGTTAAT GGCAGACCTA GAGCCATGGA
44901 GGATTGGTTG CATTAGTATT ATAGCTCCAA GGATCTTTAA TTTCTGTAAG
44951 CTCTTGATAA TATATTTAAC ATTTAATTCA TACAAATTCT GTTTTTCAAC
45001 TTACATGTTA TTTTCAAGAA TAGCATTTGT TGTGTAAAAT AGGATACGTT
45051 TATATAGAGT CCAGAATCAA TACTTCAGAG TGGGAAAGAA TCTGAAGGCC
45101 TGTGGCACGG GTCTCCAGGA TCTCTCACGT TTTTATAGCT TTTGCAAATC
45151 AGTAAACTTA CCTATTGTTC TTTTCTCCTT TCTAACAATG CACCATACTT
45201 TATATCCTCA CATACCTACA AACGAAGTAA TAGAGTTGGA TGTAGGTTTA
45251 TTTAAACATG TTCTTTCATA TGTATAAGAC TGAACTCTGG AGACTTAGGA
45301 TTTTATCTTT TATTATTCTA TAGGGCCTCC TAATCTCTAA AGCGCTATGC
45351 TCATTCTTGT CTCTATTTAT ATGCTGTTCC CCCTGCTTGG AATAGTCGGC
45401 TGCCTCTTTG GCCCCAATTC CCATTTTATC AGGTTAACAT CGATTCACTT
45451 TTCAGGGCTA ATTACTTGAA CTTAGATATA TGTTTCAGTT TTTCATTTGT
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FIGURE 3M

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45501 GAAATAAAGG AATGTACTAA ATGATTTCTG TGAGAGTCAT TAGGTAAACT
45551 AATCCTTCCT GAAACTGAGT TCGATGTTCC TGACGTGTTT TTGTGCCACT
45601 TTGTTCTTTC CATGTCACAG TACTTGGCAT AGTTTATAAT AACTACGCGT
45651 TATGATGTAT CTCTCCTATT AGACTGTTAG CTGTGAGAGA TTGATTTGCC
45701 TTCTTGTGTA CCCTCATATG TAAGAGCTCA GTACAATTGT TTAATGAAGT
45751 AATTATGTCT AGGAGGTTCT TGTTGAATAT TTTGAGTGAA TAGATGAGTT
45801 AATATTGAAA AGAGTGCCCA TGAAAGAGTA ACTCCTGTGG TCAATGAATA
45851 TATCTTCTCA GTGGCTTTAT GATATAATAA TACTTTAATT GCTTTCCTTT
45901 AACATGAATT GTAACTGAAT TGGCAAGAAA TACAAGAACA GGGGTTCCAT
45951 TACTGAGAAC TATTTTTAAA AAATATTTTC AAAACCAGTT CGGTGCAGTG
46001 GCTCACACCT GCAATCCTAG CACTTTGGGA GGCCAGGCCA GGAGAATAAT
46051 TTGAGGCCAG GAGTTTGAGA CCAGCCTGGG CAATGTAGCA AGACTCTGTC
46101 TCTAAGAGAA ATAAAATTAG CCGGTGGTGG TAGTGTGTGT CTGTAGTCCT
46151 AGCTACTTGG GAGGCTGAAG TGGGAGGATT GCTTGAGTCC AGGAGTTGAG
46201 GCTGCAGTCA GCTATGATTG TACCACTGCA CTCCAGCCTG GGTAATAGAG
46251 CAAGACCTTG TCTCTTAAAA AAAAAATCAG AGTAACGGCA TGTAAAAAAT
46301 GCTGTTCTCT CTCCTCAAGT TTTGTTTTTC TTCTTTAGTC ACCCTGCCTT
46351 TCATACCAAC CATATTCGTT TGTATAAAAT ATTCTGGCAA ATCAAAACTC
46401 TTTGTGAATA CTTTAAATCA TATAATCTAT ATTTTGTATT CTAGTATATT
46451 TTGCACACTA GTCAGCTTAT AAATATGTCC TGCAATGATT CTGAGCCTGA
46501 TCAGGATTTC TGTATAGAAA ATTCCCAAAA CTGTTTTTAT TATTTTTTTA
46551 AAGAGGTAGG GTCTTGCAGT ATTGCCGAGA CTGGTCTTAA ACTCGTGGCC
46601 TCAAGTGATC CTCCCACCTT GGCCTCCTGA AGTGCTGGGA TTATAGGTGT
46651 GAGTCACTGC ATTCAGCCCC AAAACCTTTT TTATGGATTT ATTTTCCTAG
46701 ATCATCATGT TTTTAATTAT TCTGATTAGA AAGTACTCTA AATAAAGATA
46751 TTTTCCTGTT TTAGTAATAA AATATTAAGG AATAAACTTC ATTGTATATG
46801 TACATATGGA TACTTAGAAC TGAGTTTTTT CATTTTATTA AAATTTTTTT
46851 AAATTAATAG ACTTTTTTTA GAGCAGTTTT AGGTTTACAG AAGAATAAAG
46901 CAGAAAGTAC AGATAATTTC CATGTAACTT CCCTTTTTTC CAGCTTCTCC
46951 CATTATTACT GTCTTGAGTT AGTGTGGTAC CTTTGTTATA ATTGATGAGC
47001 TAATATTGAT ACAATGATAT TTCATTTTAA ACTGCAGTTT ATAATTTCTA
47051 AAACTACCAT CCCTCAATGT TATTTAAACC AGCTCTGTGT TGTTGCTTTA
47101 TTTATAGTTT TTTTTTACTT GCGCCACACT TTTTACATAC TTTTTTAAAA
47151 TAAACTTCTT TCTCAATGTA TTGCATGTAT ACATAAGAGA GCATAAGCTA
47201 AAATATCCAT GTGTTTTCCA AAGTGAACAC ACTTGTGTAA CCACCACTCA
47251 GATCAAGATA CAGAGCATTA CTAGCTTCCT GGTACCTCTC TCAGACCCTT
47301 TCCCAGCCCT ACATGCTCAC CTCAACCCAA AAGGCAACCA CTCTCCTGGC
47351 TTCGAATGCC ATAGATCAGT TTTGCCTGTT TTGCCTTCTC TTCTTTCACT
47401 TGTTTTATGG TTTGGGAGCT TCATCATTTT ATTCTGCATA GCAGGAGTTC
47451 ATTTTTATTG CTGAATTTGA TTGTTTAAGT ATTATGAGTA ATGCCATGAA
47501 CATTCTTGCA CATGCCTTTT GCTGCACAAA TGTATGCATT TCTGTCTATT
47551 ATTTGTCTAA GAGTGGAATT ATTGGGTTAT AGGATTCTTG TTACTAAATA
47601 CTGCCAAAAC GTTTTTGTAG TGATTTTACC AATTTACCTT TCTACCTGTT
47651 GTGCGTGAAA ATTCCAGTTT CTTCTCGTGG GTGCTGACAT GGAGTTTATA
47701 GCAGTATTTC ATTGTGGTTT TAGTTCCCTG ATGACTGAGT CTGAGTACTT
47751 TTTATATTTG AATTGACCAT TTAGATGTCT TTCTTTGTGA TGTGCCTGTC
47801 AAGTATCTAT TCAATTTTTC TGTAGGGTTA CTTTTTAAAA ATATATTGAT
47851 TTGTGGAAGT TATTAATATA GCTTAGTTGT GAGACCTTTG TTAGATATAT
47901 GTATTTTAAA TATCTTCTAC TCTGTGGCTT ACATTTTTAT TCTCTGTAGT
47951 ATCTTTTTGA GGAACAGAAA GTTTATAATT ATATATTTAT TATAATATAT
48001 ATTGATATAA AGGATCCAGT TCATCAGTCT TTTCCTTCGT GGCTGGTGAT
48051 TTTTGTAGCT AGCTTAAGAA ATCTTGGTCA AATCTACTGT TAGGTATATT
48101 TTCTTCCTTACC TTCTTGATGC TTTTATTGTT TTTCCTTTCA TGTTGCTATC
48151 TTTAATTGCT TCACTTTTTT TCATATAGAT GTGTTATACC AGTTATTGAA
48201 ATGACCATCA ATTTCTGCCT TGCTTCTGTG TTACCTTTGT TGTACATAAA
48251 TCAAGGGTTT GTGTTCATTT TAGATTCTCT GCTCTGCCTC AATGGTCTTT
48301 TATCCTTGTC CACAATACTG AAATGTCTTC AATACTTTCA GCCTTATAAA
48351 AAGTCATAAT TTCTGGAGGG TAAGTGATAT TTTTTTAAAA AAATGGTCAT
48401 CAAAATTTTC TTGACTATTG TTGGCACTTT GCATTCCCAT AGAAGTTTTA
48451 AAATCAATGT GTCGGGTTCT TCCTTCTCCC CACACAGTAA ACTGGCTTGC
48501 ATTTTGATTG GAATTATTAA GTCTTTCAAT CAATTTGGAG AGATTTGGGA
48551 AGTTAATACC TTGTAATCCA TGAACTTCTT AGATTCCTTC ATTTTATTTT
48601 AGATTTTCCT TAATTTCCCT CCAGGTAGTT TGGTAGTTTT ATGTGAAAAG
48651 TCTTGCATAC TGTTAATTAG ATTTATTCTT AGGTACTTTG GTTTTTTGAA
48701 TGCACTTATG AATGGCATTT TGTAAAGTTT CACTTGTAAT TATTTTATGT
48751 TAGTATAGTC ACGGACTGCA TAACGATGTT TTAGTCAAGG ATGAATGGTA
48801 TATACTACAG TGGCTCTGTA AGATTATAAT GGACCTGAAA AATTCCTATC
48851 ATCCAGTGAC ATCATAACCA TTGTAAAGTA GTAGTGTAAT TAGTATTATT
48901 ATTTTTAAAT TTGGTGTAGC CTAAGTGGAT AGTGTTTACA GTAGAGTATA
48951 GTAATGTCCT GGGCCTTCAC ATTTGCTCAG CACATACTCA CTGACTTACC
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FIGURE 3N

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49001 CAGAGCAACT TCCAGTCCTA TAAGCCTCAT TCATGGTAAG TGCCCACACA
49051 GGTATAAACAT TTTTTAATCT TTTATACTAT ATTTTTACTG TACCTTTTCT
49101 TTTTCTATGT TTAGATACAC AAATACTTAC CATTGTGTTA TAGTTACCTA
49151 TGGTACTGAG TATAGTAACA TGCCTTACAG GTTTGTAGCC TTGCTGTATA
49201 GTAGGCCATA CCATCTAGAT TTTCATAAGT AGACTCTTTG ATGTTTGCAC
49251 AATGATAAAA TCACATAAAG ACACATCTCT CAGAATGTAT CCCTGTCATT
49301 AAGCAATGCA TGGCTGTATC TAGAAAAAGT AAAAAAAAAA TTTTTTTTTT
49351 TTTTTGAGAC GGAATCTCAC TTTGTCACCC AGGCTGGAGT GCAGTGGCAC
49401 GATCTTTGTA AATCTTTTAT ACTGTATTTT TACTGTACCT TTTCTTTTTC
49451 TATGTTTAGG TATACAAATA CCATTGTGTT ACGGTTACCT ACAGTATTGA
49501 GTATAGTAAC TTGCTGCACA GGTTTGTAGC TTAGAAGCAA TAGGCTATAC
49551 CATATAGCCT AGATGTATAG TAGGCCATAC CATCTAGATT TGTATAAGTA
49601 TACTCTATAA TGTTTGCACA ATGACAAAAT CGCATAAAGA CACATCTCTT
49651 AGAACGTATC CCTGTCATTA AGCAACGCAT GTCTGTATCT AGAAGAAGTA
49701 AAAAAAAATT TTTTTTTGAG ACGGAGTCTT GCTTTGTCAC CCAGGCTGGA
49751 GTGCAGTGGC ACTATCTCAG CTCACTGCAA CCTCTGCCTC CCGGGTTCAA
49801 GCAATTCTTG TGCCTCAGCC TCCCAAGTAG CTTAGTAGGG ACAGGGTTTC
49851 ACTATGTTGG CAAGGCTGGT CATGAACTCC TGACCTCAAG TGATCCACTT
49901 GCTTTGGCCT CCCAATAGAA AAAGTAATTT TTTTTGTATT GACTGTGTCT
49951 ACCTACCTTG CCAAATGCAC TTATTAATTT TAATAGTGTG GGCCAGGCAC
50001 AGTGGCTTAT ACCTATAACT CCAGCACATT GGGAGGCCAA GGTGGGAGGA
50051 TCCCTTAAGC CCAGGAGCTT GAGACGAGCC TGGGCAACAT AGTGGGACAC
50101 CATCTCTACA GAAAATTTAC AGAATAGCTG AGCGTGGTGG TATGCACCTG
50151 TAGTCCCAGC TACTTGTGAG GCTGAGGTAG GAGGATTACT TGAGTGTGGG
50201 AGGTTGAGGC TATAATGAGC TGAGATTGCA CCACTACACT CCAGACTGGG
50251 TGACAGAGTG AGACCCCTGTC TCAAAAAAAC CACAAAAAAC AAAATTTTAG
50301 TAGTGTGTAT GTAAGTTCTT TTGAGTTTTT TATCTATCAA TTATGTTATA
50351 GTTTTCTATG TATACATTTC AAATAATGAG TTTTAAATTT TATTTTGTTC
50401 AACTCTACAC CTATTCTTTG TCTTCCTTGA CTTACTATAC TACATAGGAC
50451 CTCTGACAGT ATTTAATAGA AGTGGTAACA ATAGTAATCC TTATCTCATT
50501 CTTGATTTAA TAGAAAGTTT ACAAACTGTT ACTTAATATT AAGAATTTTT
50551 TTTGTTGTAT GCGTGATAAG GAGGTTTGTA TCTATTCCTA GCTTTTAAAA
50601 AAATATAATT AATGATATTT TATCACATTT CTACATTTAT TGAGATAGTC
50651 ATATGAACTC TTTATTCTAT TAATGGGAAG AATGATGTTG ATTGATTTTT
50701 AAATGTTACA TGAATCTGGC ATTCCTGTAA TAGAGCCAAG TTGTCACAAT
50751 TTTGTAATTC TTTTTAATGT ATTGATCTTT TGGCTGATGT TTTGTTTAAG
50801 ATATTTGCAC CTATGTTCAT GAGAGATTGA CCTGTAATTT TTTTTCCTTG
50851 TAATGTCCCT TTAAGATTTG AGGAGCAAGA TTATGCTACC CTTGTGAATC
50901 AAGTTGGGAA TTATTTTTTC TCTGGAACAA TTTTTTAAAA ATTAATGTCA
50951 TATTCATCCT TAAGTATTTG GTGACATTTA TCAGTGAAGC CATCTGTACT
51001 TAGAATTTTC TCTGTAGGAA AGGTTTTAAT TATAGATTTA ATTTCTTTAA
51051 TATCTATTGA AATATTCAAA TTGTATAGTT TGTTTGTATA TTAGTTTTGG
51101 TAAATTTTTT TCCCCTAGAA ACTTGTTCAT TTTATCTACA TTTCAAATTA
51151 TTTGGCATAA AGTTATTCCT ACTATCCTCT TATCTTTTTA ATGGCAGTAG
51201 GTTTTGTAAT GATGTCTGCT TTTTCATTCC TAGTATTGGA AATGTGTCTC
51251 TTCTCTCATT TTCAGACAAC CAACCTTTGG CTTTACTGGT TACTTTTTTT
51301 AATTGTGCAT TTGTTTTCTT CATTATTTCC CTCCTTCTTT TTTCTTTTAG
51351 GTTTAATTTC TTCTTTTTCT AATTTCTTAA GATGAATGCC TCACTGACTG
51401 TCAGTCTTTT TTTTTTTTTA TCTACATTAA GCCTACCAGT GTCCCCTTCA
51451 GTACTGCAGT AGCAGCATCC TACAGATTTT CATATTATAT TTGTATTATT
51501 ATTCAGTTGA AAAAATTCAG TTTTCATTGT GATTTTTTTT GAGCCATGAG
51551 TTATTTAGAA ATGAATTAAC TGATTTTCAA ATATTTGTGT ATTTCTTAGC
51601 ATTTTTTTGT TACTGATTTT GTTATTCATT CTCCTGAGGT CAGAGAACTA
51651 TACTTTATGA TTTCAATCCT TGAGTTACAT GGAGAGTTGC TTTGTGTCCT
51701 AGCATAGGGT CAGTTTTGGT AGATATTCCA GGTATGCTGG AAAACAGAGT
51751 TATTTTATTA TTTTGATGTT GTTTTTTAAT ATATACCAAT TAGGATAAGT
51801 GAGTTAACTT TGTTTTTCGT ATCTTCTGGT ATCTTCTATA TATTCTTTTT
51851 AAAAATTTTG GCTAATAAGG GAAGTATGTT AAAACCTGCA GGCAAGGTCT
51901 GTTTCTCCAT TTAGTTCTGT TTACTTTTGT TTTATGTATT TTGAATTTTG
51951 TTATCAGGCA TGTATTAATT TAGAATTTTG TATATTCTTG GTGAATTGAC
52001 CCTTTTATTA CCCCGAGTGT CTGGTGATGC CTCTTACTTA ATGCCTATTT
52051 GATAGTAGAT ATAGGTGCGC TGTTATCCTT CCATGTATAT TTCATTCTGT
52101 GTATATTTGC ATAGTATTCC TTTTATTCTT TTACTTTCAA CCTTTGTATA
52151 TTCTTATATT TCAGATACAT CACTTGTATG CAGGGTAAAT TGGGGTTTTA
52201 TTTTTTTAAT CCATCTGCTG TTGTCATTGT TTAAATTCAA GTACTTAATA
52251 CATTTATATT TAGGGTAATA TCTTAAAATA CTTAGGTTTA ATGTAGTTCC
52301 TTATTTGCCC CACTTGTATG TTTTTTTTCC TGTTTTTTTT TTCATTCTTT
52351 TGGAATAGGC AAGTATTTTT ATTATTTCAT CCTCTTCCCA TTGTCTTTTT
52401 AGTTAAACAT TTTAACTTGG CCTTTAGTGA ATATCCTATG TTTGTCTCCT
52451 TGGCTTATTA GGGGCTAGTA TGCATTGCAA ACATTGCAAC AGATGTTTAC
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FIGURE 30

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52501 TTATTATTTG GGTACATTAA GTTGTGCTAT GTTTATTACA GAATCAGTCT
52551 TTGTACTTTA CTTTTTTGGA GACAGGGTCT CACCTGTCAC CCAAGTTTAG
52601 TGACTGAGTG CAGCAGCATG ATGATGGCTC ACTGCGGTCT TGACTTCCTG
52651 GGCTCAAACA GTCATTGCGT GTAGCTAGGA CTATAGGCAC ATGCCACGAA
52701 GCCTGGCTAA TTTTTGAAAT TTTTTTAGAG ATGAAGACAC ACAGTGTTGC
52751 CCAGGCTAGT CTCGGACTCC TGGATGCAAG CTCTCCGCCC GTCTCAGCCT
52801 CCCAAAGTGT TGGGATTACA AGTGTGAGCC ACCGTGCCCA ACTTGTACTT
52851 TACTATTTTT TAACTTTTGA AAAATTCCAT GTTTCTCTTG CCTTTGTTTT
52901 CCTCCTGTGA GTTACTATTT TCTTTCTATG TTCAGAGGAG TGGAGATTTT
52951 ATCCAGCTTA AATTCTGTAG TTTGTATTAG AAATAATAGA GATTTTGTTA
53001 TTTTATAAAT ATGTTTATAT TATAATATTA AATATACTTT TAAAAACCAC
53051 ATATTGCCTG TGTTTTCTAG ACCCCTTCCT TAAATGAAAA TAATGTATCA
53101 TTTAGTGTCA GATTTTATGT TTGCATGATA TTAAAAAAAA GTGGCAGGAA
53151 AATTACTAGA CCATTTTCCC TGTTTCAGTT TTTCTGTCTC AGTAGGGTGA
53201 TGTATCTGGT CCAAATTAGA AATATTGGCA AGTATTGCCA GATACTATCT
53251 GGCATTGAAG TATTTTGATT ACATCCATTT ATGTTAGATA TTTTAGGAAC
53301 AGCTTAAATT TTCCCAGGCC ACAAGGTACT GTTTGATACA ACATGGCACT
53351 GCATAGATAC TCCTCAACTT ATGATGGGGT TATGTCCTGA AAAAACTAGT
53401 GAGTCAAAAT ATGTGTGTGG CTGACTTGGA ACTGTAGCTT GCTGTGGCTG
53451 CCCAGCGTTG CAAGAAAATT ACTGAATTCA TATTGCTTTT GTACCATTGT
53501 AAAGTCGAAA ACTCTTTTTT TTTTGAGACG GAGTTTTGCT ATTATTGCCC
53551 AGGCTGGAGT GCAATGGTGC GATCTCGGCT CACCGCAGCC TCTGCCTCCT
53601 GGGTTCAAGC GATTCTCCTG CCTCAGCCTC CCAAGCAGCT AGGATTACAG
53651 GCATGCACCA CCACACCCGG CTAATTTTGT ATTTTTAGTA GAGACGTGGT
53701 TTCTCCATGT TGGTCAGGCT GGTCTCGAAC TCTTGATCTC AGGTGATCCG
53751 CTTGCCTTGG CCTCCTAAAG TGGTGGGATT ACAGGCATGA GCCACCACAC
53801 CTGGCCATAA AGTTGAAAAG TCTTAAGTTG AATCCTAAGT CAGGGACTGT
53851 CTTTATCACT GAATATTTTT TAATGCTTCT GCTCCATTTA ACTAATGAGG
53901 ATGTCGAGTA GTAAATCGAC CCAATTTATC ATCGTCTTAG TCCAGTTTCT
53951 GCTGCTATAA CAAAATACCA CATACTTGGT AATTTACAAA GAACAGAAAT
54001 TTATTTCTCA CAGTTCTGGA GGCTGGAAAG TCCAAGATCA AGGTGCTGGC
54051 AGGTTTGGGC TCAGTCTCTT TGCATCCAAG ATGGTGCCTT GAATGCCATA
54101 TTCTCTAAAG GGGAGGAACG TTGTGTCCTC ACATAGCAGA AGGGTAAGAA
54151 AAAGGGCAAG CCTTTCTTAT AGCTGTATTA ATCCATTCAT GAGGCTGGAG
54201 ACACCTCTCA TTAGGCCTCA CCTCCCATCA GTGTGTCATT AGGGATTAAG
54251 TTTTAACATG AGTTTTGGAG GAGACAAAAA CATTCATACC ATAGCAAACA
54301 TAAACATGTC AAGAATTGTA AAGGGTCTGA GATTTTACTC TACTTTTACT
54351 CTATTCTAAC AAATTTTGTG AGTGGCTGCA GAAGAGTCAA AGGAAAGAAT
54401 ATTGCAGCAA CATAATTAGC TAGAGTAGCA GCATTTGCAC CAGTTCCTGA
54451 GCCTCAGTTT TCACGGAGTG ATACAGAGGG CTACCTGACA CCTGAGCCTT
54501 TATAGGCTTG CATCACAGTA GGGGAGCCTT GAATTGTAGA ACCTGAATCT
54551 TTTATAATGG ACAGTAAGCA TGTCTATCCT TTGCTTTGGA GAGAGACACT
54601 TTCTTTTCCT GCATACCAAC ATCCTTTAAA AGATAGTCTT GAACAGAGGC
54651 AGTCAGTGAT TTTACTCTCA AGCAGAAGTG CAAGAGATGT GAAGAACCAT
54701 CTTTCAGCAT TTTGGAAGGC AGATAAAGCA AGTGGGTATT TGTAAGATGT
54751 CCTAAAGAAG TGACTTGCTG TCTTTAGGAA GCAGGGGATC TATTTTTTGGA
54801 GTATGTTTGT ACTATTCACT GCTTTTTTCTT GGTAGAGAAA GATACTCAAC
54851 CCTCTGTTTT GTGGAGTTTT GTATCTTCTT TTTATTAATG CTTCTGTTTA
54901 TATATAAAAG TTCAAATAAG TGAAAACAAA ATGATGGAGT GGTATCATTT
54951 TAATTTAGTA AAAATGTATT GAGGTATAGT GTTTTGAACA AGAAAGGTTA
55001 AAAAATCATG GGAGCTAGCT GGTGTTCCAG GATAACTTTA GATATTCAGA
55051 CTGGATTTCT GAGAGATCTC TGAGATTAAA CTCCTTCAAA GTGGAATTTT
55101 ATTAAACACT CTTAACACAA AGAGCCATATA GTGACTTACT GTCTTCTAGA
55151 CTAAAGGTCG TCACAGATCA AAGGGCTCTA AATCTCACAG CCTGATGGAG
55201 AGGACATTCA CTCTTGTCAA TGTTTAAATT TCAAGCAAAT AGCAAAGACA
55251 AAGAACTTAG TATCTAACTT CTCAAGTCAG CATGGTATCT TTGAATTTAT
55301 TTTGGATCTC TCTAAATTTG ACTTTGTTGA CTATCTTCCT GGCTGCTTTA
55351 GTACCTTTTA TTCTACGTCA TCCTAGTTTT TCTTTCCCTT TTAAAACATC
55401 GTTTCTTTTT ATGCTATTCA ATTGATGGGC TTTCCTAAGA TTGAGCCTTC
55451 TACACTTATT CCTCCATCCC TGACCCCTCA CTAGCCTCCC CTTTTAGATC
55501 TCTCCCTTGC TATAATATCA AATCTTACAT GTATGCACAT CACTCTGAAG
55551 TTTGCTTCAC TCTTGTATTT CAAAATCACA TTTCCAACTG CCACCTGAAT
55601 GTTTGCTTGC AGGTGTTTTC CCAGTACCTT AAAACTTTGT AATTCTAGTT
55651 TGAATGTATT TACCAAAAGG GCAGGGGCAA AAGCATGTTT TAATTTTAAT
55701 ATTTTACTCT TTTAAAAGAA GTTCCCCAAA CAAATTATTT TGATAAATCT
55751 TTTTGGCTTT TTTTATGGAT GTTGTTTTGT AAATTCTATT TTATATTTGT
55801 AAATAATGCT TTCTCATATT AAGTATTTGT CATATTTTCA TTGCCAAAAC
55851 TAAGTGCTTG GATTTTTACA TTTATTCTTC ACATTCTTCC ACCTCTCTTC
55901 CAACCTCTCA TCCCCTCCCC TACAAGGACA AAATGTTTTA AATGCTGTAA
55951 TCTTGCATGG GGTTTGGGTT TTTTAATATT TTTATTGGTG ATAATTCTGT
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FIGURE 3P

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56001 CACAGGATCC TTAGGGTGTC ACTTTTCCAG CCAGAAACCT CTGTGGCCGG
56051 TGGCACCTCT GCCCGAGTTA TATCCTCGGG CCCACTGGGC TTGTTCTGCC
56101 CACTTGGTCC AGCAGGCTGT ACTTGGCTTG TGCTATTGAC CTGGATCCTA
56151 CACCTGCCAA GGGTGAGCCA GGCGCAGAGC AGTGAAGGGG GTGTGAGTGA
56201 GCCCGAGGTC CGGCCACTGC ACACAGCCAG GCATGCTGGC TGCAGTGGAG
56251 TGGACAGCCC CAGGTGCAGG CACAGGCACC GGCTCTGTGT GAGGATGTGG
56301 CTGGACCAGG CATACCACAA GTGTTTTCCA CCGTGGGCAC CAGGTAACGT
56351 GGTGGTACCT GGAAGCTTGG AGATGTTGGA AACAGCAGAG CCCCAAAGAG
56401 AGTGTCACAG CTCTGGTATC ACAGCTCTGA TCACAGCCCT TGCATCTGGG
56451 CTCCCCAGAG GGCCACAGCT CCTCTTCTTC TCATTGCCCA AAATGTGGTG
56501 ACCAGTGGGC GTGTTTCAGT CCTGTTTGTG TTACAGCTCT TTCAGTCCTG
56551 CCATTTGGAA GGTTCTGAGT TCTTGTCCAG CCTTTAGGAA GAATGAGGTA
56601 TGTGGACAGC TGGAGGGTGA GCAAGGCAGA GAGGAGCTTC ATTGAGCAAG
56651 AGAACAGCTC TCAGGAGACC TGAAGTGGGT AGGTCCTTCT GCCATCAGGT
56701 CGTCCTGATG AGCGTCCAGC TCTCAGCAGA GAGGATACCT GGAGGGGGTA
56751 GCTGCTGTCC ACAGGCAGGC CATCCTCACA AATGTCTAGC TTTCCGCAGA
56801 GAGGACACCT GGAGTGGGTA GCTCCTTTCT GCAGGTAGGT CATCCTGATG
56851 AGTGTCCTGC TGTCAGTGGA GAGGAGACCC AGAGTGGGTA GCTTCTTTCT
56901 GTAGGCAGGT TGTCCCAGTG CATGTCCAGC TCTCAGTGGA GAGGAGACCA
56951 GAATGGGTAG CTCCTATCTG GCATCCCAGC TAGTGTCCAG TTCTCAGCGG
57001 AGAGGAGACC CAGAGTGAGT AGCTCCTGTC CTCAAGCTGG TCAGCCTGAT
57051 GAGTGTCCAG CTCTCAGCAG AGAGGAGACC TGGAGTGGGT GGCTCCTTTC
57101 TGCAGGCAGG TTGCCCCAAC GAGTGTCTAC TTCTCAGCGG AGAGGAGACC
57151 CGGAGTGGGT AGCTCCTTTC CATAGGCAGG GTGTCCCAGT GAATGTCCTG
57201 CTCTTAGTGG TGAGGAGACC CAGGGTGGGT AGCTCCTTCT CACAGCTGGT
57251 AGTCCTGACA TCCCAGTGAG TCTGGCTGAG TCGGGTTTTT ATGGGCTTCA
57301 GAAGGGAGGA AGTGCATGCT GATTGGTCCA TGGGTGGCCA TGGGCAGGCC
57351 CAGAAAAAGC ACCATAAGTT CTTGGTCTCA GCTGCAGACT CTACCCAGCT
57401 CTGACAGCCT GCCCTCCATG CTTCAGGCTG TCCCTGGCTT AAAGGTGGGG
57451 CTTCACCAGG GACTCACTCC TTTCTGCCCA GGAGCCTCTC TGCCTCCTGC
57501 TGCCATCAAT CATGTCGTCC ATGGTGCTGG GGCTGTTCAT GCTGAGGGGC
57551 GCTTGCAGGA CTGCGCCAAG ACACCCTCAG CCTCCCTCAC ATACTCATTG
57601 GCACCCAAAG TCTGGAGGGG ACCAAGGTGG AAGGGAGCTG GACTGTCAGT
57651 GCCACCTTGA GCACATGAAC ACCTAGGTGG GTCATGACAG TGGCTTGGCT
57701 CAGCCTTAAC TTTGGTCTGA AATCAGAGCA GGCAAAAAGT TTTTCTGGGA
57751 CTGGGGAGAG GCCAGGCAGT AGAAGCAGGC ACTTCGGAGC CTGTTGGGGC
57801 AGGGGGTGCT TCCTGGGTTC TCGAGAGTGG AGGGATACCT GGGTCCACAG
57851 CCATGGCTGG GCAGCTGCAG CTGTGCCTGG GTGAGTGGGG CTCACACCCC
57901 ACCAACTTGG AAAAGAGCAG GGCTCCTGCC TGTTCCCAGC TCCCACTGGC
57951 TTCGTGGAGT ATGCAGCCCT GGCCACGCCT CCCCCACTGC AGCCAGTGTC
58001 TTCACTGTTG CCACTCCAGA TGGGCCACCG GAGCCATCAA TTCAGTCTGT
58051 ATTTATGAAG GAAAAGACAA ATCTTGTGTT ACTTTCCTCT CTTTATAGGT
58101 CTCTGTGCCT TGCGGAGAAT CCTGAAAAAA CAGCCTAACC TCCCTGATGT
58151 CAAGGTGGCT GGACTGGTGA AGATTACTCT GAAGGATTTC TTGCAGGCAA
58201 TGAATGATAT CAGACCCAGT GCCATGAGGG AAATAGCAAT TGATGTCCCA
58251 AATGTAAGTC ATTTATGTCC CACACTAGCT ACACTGTTTG AATTAAACTC
58301 TGAAAAAAAT TTAGAGTTCA GGGAGACTGA CTTCCTAGGC TAAACTTTAA
58351 AAAAATATTT TTCTTAATTG AAAGTTTTAT TGAGATAGCT GTAAATTCAG
58401 TGCAGTTATA CGAAGTAATG TAGGGAGATT CTGTGTATCC TATACCCAGT
58451 TTCCTCCAGT GGCAACATTT TGCAAAACTG AAGTACAGGC TGGGTGCAGT
58501 GGCTCATGGC TGCAATCCCA GCACTTTGGG AGGCTGAGGT GGGCGGATCA
58551 CTTGAGCCCA GGAGTTTGAG ACCAGCCTGG TTAACATGGT AAAACCCCAT
58601 CTCTACAAAA AGTACAAATT AGTTGAGTGT GGTGGTGTAC ACCTGTAGTC
58651 CCAGCTACAG CTGAGGTGGG AGGATCATCT GAGCCCTGGG AATGTTGAG
58701 GCTGCAGTGA GCCATGGTTG TGCCACTGCA CTTCAGCCTG GGTGACAGAG
58751 CGAGACCCTG TCTCAAAAAC AAAAAACAAA ACACCCAAAA AACTATATTA
58801 CAATACTAAA ACCAGGATAC CCCTATTGAT ACAATCCATT GATCTTACTC
58851 ATATTTTTTC AGTTTTACTT GTGTGTATGT GTTTATTTAG TTTTATACAA
58901 TTTTATCTCA TGAAAAGGTT TGCGTATTCA TCACAGATAC TAAGTAATTC
58951 CATCACCACA AAGATCCCTC ATGTTGTCTT TTATAATCAC ACCCACCTCA
59001 TTCCTCCCCT CATTTCTAAA TTTTTATTTC AGAACCTTTA TATAAATGGA
59051 ATCATACTGT ATACAACCTT TTGGAATTAG CTTTTTTCAC ATATGAGTAA
59101 GATCTTTTGT CTTTCTGTGT ACCTTAACTT ATTTCAGTAG GCATAATGTT
59151 CCCCAGATTC ATCCATGTTA TTATAAATGA CAGTATTTTC TTCTTTTTAT
59201 AAGGCCAAAT AATATTCCAT TATGCCACAT TTCTTTGTAC CATTATACCA
59251 CATTTTCTTT CTCTGTTCAT CTGTTGAGGG ACACTTAGAT TGATTCCCTA
59301 TCTTGGATGT TGTGAATAAT GCTGTAGTGA ACATGAGAGT GCAGATATCG
59351 CTTTGAGATA CTTCATTTCC TTTTGATATG TACCCAGTAG TAGGATTGCT
59401 GAATCTTTTG GTAACTTAAT ATTTTGAGGA ACCACCATAC CATTTTTTCCA
59451 TAATGTCTGT ACCACTTTAC ATTCCCACCA ACAGTGTACA AGGGTTTCTT
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FIGURE 3Q

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59501 TTTCTCCATA TCCTTGGCAA CACTTATCTT TCATCTTTTT GGTAATGGCC
59551 TTCCTAACAG ATGTGAGGTG ATATCTCATT ATAGTTTTGA TTTGTATTAC
59601 CCTGATGATT AGTGGTATTG AACATATTTT CATATACCAG TTAGCCATTT
59651 GTACGTCTTC TTTTAACAAA TGTTACTCAG ATCCTTTGCC CATTTTTAAT
59701 CAGATTGTTT GTTTTTTTTT GCTTTTGAGT TGTTTGAGTT TCTTAATATA
59751 TATTTTAGTA TTTTGGATAG CAGCCCCTTA CCTCATATAT GGTTCACACA
59801 TATTTTCTCC CATTCCATAG GTTGTCTCTT TACTCTGTTT CCTTTGCTGT
59851 GCAGAACTTT CTGGTTTGAT GCAGTCCTGT TTGTCAGTTT TTGTTTTTCT
59901 TGCCTCTGCT TTTGGAGTGT ATCCAAAAAT TCATTGCCCT GGACCCATGC
59951 CATAAGGCTT TTCCTTATGT TTTCTTCTAG TAGTTTTACA GTTCTAGATA
60001 TTATGTTTAA ATATTTAATC CATTTTGAAC TGATTTTTTG TATGTGGTGT
60051 GAGAAGACTG GCCAGTTTCA TGTGTGGACA TACAGTTTAT CATATGGATA
60101 TCATGTGGAT ATACAGTTTT CCTGACACCA TTTTTTAAAG AGATTGTGCT
60151 TTCGTCATTG CGTGTTCTTC GGTACCTTTG TAGATCAATT GACTGTACAT
60201 GCGTGGATTT ATTTCTGGGC TCTCTATTCT GTTTCATTTA TTTATATGTC
60251 TGTTTTTATG CCAGTATATT GCTGTCCTTGA TTATCATAGC TTTGTAGTAT
60301 ATTTTGAAAT CAGATAGTGT GATGCCTACA GCTTTTTTTT TTTTTTTTGC
60351 TTGAGATTAC TTTGACTATA TGGTGACTTT TATGTTTCCT TATGAATTTT
60401 AGGGTTGCTT TTCATATTTT AGAGAAAAAT GCCATTGGAA TTTTGGTAGT
60451 GGTTACATTA AATCTGTAGA CAATTTTGGG TAGTATGAAT ATTTTAATAG
60501 TGTTAATTTT TAAAATTCAT GAACATTAGA CATTATTCTA TGTATTTGTG
60551 TCTTCTATTT CATCAGTATT TTATAGTTTT CAGTGTACAG GTCTTTCACC
60601 GTCTTGGTTA AGTTTTTTCG GTATATTTAA AAAATACTAT TGTAAATGGG
60651 ATTTTCTTTT TTTAATTTTT TGGATAGTTG TTAGAGTATA GAAATGCTAC
60701 TGACTTTTGT TGTCGATTTT GTATCCTGCC AATTTACTGA ATTCATTTAT
60751 TGGTTTAAT CTTTTTTTTT TGGTGGAATA TTTAGGGTTT CCTTTATATA
60801 AGATTATGTC ATCTGCAAAC AGACAATTTT TTTCTTCTTT TTCAATTCGG
60851 ATGCTTTTTA TTTCTTTTTC TTGCCCTAATT TCCCTGGCTA TGACTTTCAG
60901 TACTATATTA AATAGAAGTT GCGAGAGTGA GCATTTTGTC TTGCTCTTCA
60951 TCGTAGAGGA AAAGTTTTTA GCTTTTCATT GTTGGGTATG ATGTTAGCCG
61001 TGAGCTTGTC ATACATATAG CGTTATGATG TTGAGATACA TTCTGTCTAA
61051 TGTATTGAGA GTGTTTATCA TGAAAGGATG TTGAATTTTG TCAAATGCTT
61101 TTTCTGTATC TATTGATATG ATTTTATGAT TTTTATTCTT CGTCCTTTTA
61151 AGGTGGCGTA TCATGTTTAT TGATTTGCAT ATGTTGAACC AGCAGCCTTG
61201 CATCCTAGGG ATGAATCTCA TTGGATCATG GTGTATGATC CTTTTAATGT
61251 GCTATTGAAT TTGGTTTGCA AATATTTTGT TGAGAATATT TCCATCTATG
61301 TTCACCAAGG ATATTGGCCT GTAATTTTCT ATTCTTACAG CATTCTTGTA
61351 TCACATTAAT GCTGGCCTCA TAAAGTGAGT TTGGAAGTGT TCCTTCCTCT
61401 TCAGTTTATT GGAAGTTTTG TGAATTCTAC TAAGAATTTA AAGAAGTGAT
61451 GCTAATGCTT GAGAAGCATA ACTTCTCGGG TCTTGGAGTT TTCTTTGTTA
61501 GGGAGCTTTT TGATTATTGG TTTATTCCCC TCACTCATTA TTGGCCTGTT
61551 CAGATTTTCT TTATGATTCA TTTTTGGTAG GTTGTATGTT TCTGGGAATT
61601 TCTTTCTTTC TTCTTGGTTG GCCAAATTGT TGCCATGTAA TTGTTCATAT
61651 TAGTCTCTTA TGATTGTATT TTTGTGGTAT CAATTGTAGT GTCTCCTGTT
61701 TCATTTCTCA GTTTATTTAC TTTAATCTTC TTCTTTTTTT TTTTTTTTT
61751 TTTTTGAGAC GGAGTCTCGC TCTGTTACCC AGGCTGGAGT GCAATGGCAC
61801 CATCTTGGCT CACTGCAACC TCCGCCTCCT GGGTTCAAGT GATTCTCCTG
61851 CCTCAACCTC CTGAGTAGCT GGGATTACAG GCACCCGCCA CAACGCCCAG
61901 CTAATTTTTG TATTTTTAGT AGAGACGGGG TTTCACCATG TTGGTCAGGC
61951 TGGTCTCAAA CTCCTGACCT CATGATCCGC CCACCTCAGC CTCCCAAAGT
62001 GCTAGGATTA CAGGTGTGAG CACCACGCCC AGCCTACTTT AATCTTCTTT
62051 CTTTTTTTTA TAGTAGTCTA GGCAAAGATT TGTCAATTTT GCTTATCTTT
62101 TGAAAAAACA ACTAATGTTG ATCTTTTTAT ATTCTTACAT TGATCTTTTA
62151 AATTATTTTT CTAGTCTCCA TTTCATTTAT TTCTGCTCTG ATCTTTAGTA
62201 TTTCCTTCCT TCTGCTAACT CTGAACTTAT TTTGTTCTTT TTCTATTTCT
62251 TTGTTGTGTA AAATTAGGTT GTTCATTTGA GATATTTCTT TTTTCTTAAT
62301 ATAGGTATTT ATTGCTATAA ACTTTCCTCA TAGAACTACT TTTGCTGTAT
62351 CAAAGTTTTG GTATGTTGTG TTTCTATTTC CATTTGTCTT AAGACTTTTT
62401 TTTATTTTTC TTTTGATTTC ATCTTTGACC CATTGATTGT TCAGGAGTAT
62451 GTTGTTTAAT TTCCAGATAT TTGTGGATTT TCCAATTTTT TTTTCCTGTT
62501 ATTCTTTTCT GGTTTGTATG ATTATGGACA GAAAAGATAC GTGATATGAT
62551 TTTAGTCTTC TTAAACTTTT TAGACTTGTT TTGTGGTCTA AGATATGATC
62601 TATCCTTCAG AATGTGTCAT GTGCACTTGA AAAGAATATG TATTTGAGAG
62651 CCCCATAGAT GGTTCACATC ACAGGACTCT GTACGGACAA CCCCCAGTAC
62701 CAACCCAGAG CTGGGTAGAC TTGCTGGGTG GCTAGACCTA GAAGACAGAC
62751 AACAATCACT GCAGTTAGGC TCACAGGAAG ACACATCCAT AGGAAAAGTG
62801 GGGAGAGTAC TACATCAACG GAATATCCCA TGGGACAAAG GGATTCGAAC
62851 AACAACCTTC AGCCCTAGAC CTTCTTCTGA CAGAGCCTAC CCAATGAGAA
62901 AGAGCCAGAA AACCAACCCT GGTAACATGC CAAAACAAGG CTCTTCAACA
62951 CCCCTCAAAA ATCACACTAG GGATGTGTTT CCATTTGTGT CGTGTATTTC
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FIGURE 3R

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63001 TTTCAGTTGT GTTTTGTAGT TTTCCTTGTA GAGGTCTTTC GACTCCTTGG
63051 TTAGGTGTAT TCCTAAGTAT TTTTTTTTGC AGCTATTGTA AAAGGGTTGA
63101 GTTATTGATT TGATACTCTG CTTGGTTGCT GTTGGTGTAT AGAAAGCTAC
63151 TGATTTGTAT ACATTAGTCT TGTATCTGGA AAACTTGCTG AATGCTTTCA
63201 ACAGTTCTAG GAGCTTTACT CCTAAGGAGG AGTCCTTAGG GTTTTCAAGG
63251 TAAATGATCA TATCGTCAGC AGTGACAGTT TTTCCTCTTT ACTGATTTGG
63301 ATGCCTTTCA TTTCTTTCTA TTGTCTGATT GCTCTGGCTA GGACTTCCAA
63351 TACTATGATG AAGAGGAGTG GTGAGAGTGA GCATCCTTGT CTTGTTCCAG
63401 TTCTCAGAGG AATGTTTTCA ACTTTTCCCC CATTCAGTAT TACATTGGCT
63451 GTGGGTTTGT CATAGATGGC TTTTATTACA TTAAGGTATG TCCCATGTAT
63501 ACCAGTTTTG CTGACAGTTT TAATCATAAA GGGATGCTGA ATTTTGTTGA
63551 GTACTTTTTC TGCATCTGTT GAGATGATTG TGTGATTGTG TTTTTAATTC
63601 TGTTTATGTG GTGTATCACA TTTATTGACT TGCATATGTT AAACCATCCC
63651 TGCATCCCTG GTATGAAACC CACTTGATCA TGGTGGATTA TCTTTTTAGT
63701 ATGTTGTTGG ATTTGGTTAG CTAGTAGTTT TTTAAGTAAG GATTTTAGCT
63751 TCAGTGTTCA TCAAGGTATAT TGGTCTGTAG TTTTCTTTTT TTGGTTATAT
63801 CCTTTTCTGG TTTTGGTAGT AGGGTGATGC TGGCTTCATA AAATGACTTA
63851 GGGAGGGTTC CTTCTTTCTC TGTCTTGTGG AGTAGTGTCA AAAGGATTGA
63901 AGGATTGGTA CCAGTTCTTC TTTGAATGTC TAGTAGAATT CCGCTGTGAA
63951 TCCATCTAGT CTTGGACTTC TTTTTGTTGG AAAATTTTTT TTTTCTTTTT
64001 TTTTTTTTTG AGACGGAGTA GTTTTGCTCT TGTTGACCAG ACTGGAGTGC
64051 AATGGTGCAA TCTCGGCTCA TCGCAACCTC TGCCTCTCAG ATTCAAGCGA
64101 TTCTCCTCCC TCAGCCTCCC AAGTAGCTGG GTGGGATTAT AAGCATGTGC
64151 CATCACGCCT GGCTAATTTC GTATTTTTAG TAGAGATGGG GTTTCTCCAT
64201 GTTGGTCAGG CTTGTCTCTA ACTCTTGACC TCAAGTGATC CACCGGCCTG
64251 GGCCTCTGAA TGTGCTGGGA TTATAGGTGT GAGCCACCGT GCCTGGCCTGG
64301 TAATTTTTAA ATTACCATTT CAATCTCACT GGTTGTTATT GGTCTGTTCA
64351 GGGTACTAAT TCTTCCTGAT TTAAGCTAGG AGGGTTGTAT TTTTCCAGGA
64401 ATTTATTCAT CTCTTCTAGG TTTTCTAATT TATGTGCATA CAGGTGTTCA
64451 TAGTAGCCTT GAATGATCTT TTGTATTTCA GTGGTATCAG TTGTAATATC
64501 TCCTGTTTTG TTTCTTAGTG AGGTTATTTA GATTTTCTCT CTTCTTTTCT
64551 TGGTTAATCT TTCTAATTGT CTATTTTATC TTTTCAAAGA ATCAGCTTTT
64601 TGTTTCATTT ATCTTTTGTA TTTTTTTTTT TCAATTTTAT TTCTTTCTGC
64651 TCTGATCTTG GTAATTTCCT TTCTTCTGCT TGGTTTGGGG TTCGGTTTGT
64701 TCTTGTTTCT CTAATTCCTT GAGGTGCTGAC CTTAGAATGT CAGTTTGTGT
64751 TCTTTCAGAC CTTCCAATGT AGGTGCTTTG GGCTATGAAC TTTCCTCTTA
64801 GCACTGCCTT TGCTGTATCC CAGAGGTTTT GATAGACTGT ATCATTATTG
64851 TCATTCAGTT CGAAGAATTT TTTAATTTTC ATCTTGATTT TGTTTTTGAC
64901 CCAGCGCTCA TTCAGGAGCA GGTTATTTAA TTTTCATGTA TTTGCATGGT
64951 TCTGAAGGTT CCTTTTGGAG TCGGTTTCCA ATTTTGTCCC ATGGTGGTCT
65001 GAGAGAGTGC TTGATATAAT TTCAATTTTC TTAAATTTAT TGAGGCTCGT
65051 TTTATGGCCT ATCACGTGGT CTGTTTTGGA GAAAGTTCCA TGTGCTGTTG
65101 AATAGAAGGT GTATTCTGCA ATTGTTGGAT GAAATGTTCT GTGTATATCA
65151 GTTAAGTCCA TTTGTTCCAA GGTATAGTTG AAATCCATGG TTTCTTTGTT
65201 GACTTTCCGT CTTGATGACC TGTCTAGTGC TGTCAGTGGA GTACTGAAGT
65251 CCCGTACTAT TATTGTGTTG CTGTCTATCT CATTTCTTAG GTCTCTTAGT
65301 AATTGTTTTA TACATTTGGG AACTCCAATG TTAGGTGCAT ATTATTTTAA
65351 GTGAAGTAAC TCAGGAATGG AAAAACAAAC ATCATATGTT CTCACTGATA
65401 TGTGGGAGCT AAGGTATGAG GACACAAAGT CATAAGAATA TAATGGACTT
65451 CAGGGACTTG GCGGGAAGAA TGGGAGGGGG GTGAGGGATA AAAGACTACA
65501 AATAAGGTGC AGTGTACACT GCTCGGGTGA TGACTGCACC AAAATGTCAC
65551 AAATCACCAC TAAGGAACTT ACTCATGTAA CCAAATACCA CCTGTACCCC
65601 CAATAACTTG TGGAAAAATT AAAAATACTA ATAATTAAAA AAAGAGAAAA
65651 TAACGTGTAT TCTGCGGCCA TTGGTTGTAG TGTTCTGTAT ATGTCTGTTA
65701 GGTCCATTTA GTCTATAGTG CTCTTCAAGT CTGCTGTTTC CTTATTGATT
65751 TTCTATCTTG ATGATTTGCC ATTGTTGAAA GTGGGTTATT GAAGTCTCTT
65801 ACTGTTCCTG TATAGCTGTA TGTTACTCCC TTCGGTTCTT TTAAAATTTT
65851 CTTTATGTAT TTAGATGCTC CAGTGTTCAG TGCATATATA TTTACAATCA
65901 CTATATCCAG TTAATGAATT GACTCTTATC ATTATATGAT GACCTTGTCT
65951 TTTTTTGACA GTTTTTGACT TAGTCTATTT TGTCTAATAT AAGTATAGCC
66001 ACCCCTGCTC TATTTTGATT GCTATTTGCA TGAAAATTGC TATGAAATAG
66051 CATGATTGCT ATTTATGCAA ATAGCAATCA AAATAGAGCT GAAGACTCTA
66101 TTTTGAAAGT CTTCAGACTC TTTAAGAACA CATATAGAAT ATTTTCACTT
66151 CAGCTTTAAC AATGCATATA GAATACTTTA AATTAAAATC TTTAAATTAG
66201 AGTCTCTTAT GGGTAGCATA ATTTTGAATC TTGTTGTTTA ATCCATTCAG
66251 CCACTCTGTC TTTTGACTGG AGAATTTAAT GTTCCATTTG AAGTAATTAT
66301 TGATAGGTAA GGGCTTACTA GAGCTATTTT ATTGTTTTCT GTTTTGTAGT
66351 ACCTTTGTTC CTTTCTTCTT CTCTTGCTGT CTTCCTTTGT GATGTGATTT
66401 TTTTTTTTTA GTGATATTCT TTGATTCTTT TCTCTTATC CTTTGTGTAT
66451 CTATTACATG ATTTTTTCTTT GTGATTACTC TGAGGCTTAC ATAAAACACC
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FIGURE 3S

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66501 TTCTAGTTGA AACAGTCTAT TTTAAGCTGT TAATAACTTA ACATTGGTCC
66551 CACACACAGA CTCTACTCTT TAATTTCTCC TGCCCCCATA TTTTATGTTA
66601 CTTGATGTCAC GTTTTGCATC TTTTATATGT TGTGTATCCC CTAACAAATT
66651 ATTGTGGCTA TTGCTATTTG TAATTTTTTT TTAACTTTTA CACTTGTAGC
66701 TAAAAATGAT TTATGTGCTA GTACTATACT ATTACAGTAT TCTGGGTTTG
66751 TATTCTTACC TTTACAGGGG GTTTTGTACT TTCATATGCT TTCATATTAG
66801 TTAGCATCCT TTCATTTTAA CTTGATGAAC TGGCTCTAGT GGTGCTGAAT
66851 ACCCACATTT TTATTTGGTT ATGTCTTTAT TGCTCTCTTA TTTTTTAAGG
66901 CCAGCCTTTT CTGGTATAGT ATTCTTTGTT GGCAGTTTTT TTTTTCCCTT
66951 TTTCTTTTAG CACTTTCAAT ATATCATCTT ACTCTCTCCT GGCCCGCAAT
67001 GGATTGTCTG AGAAATCTGG TCGTAGTCTG ATGATGGTTT CCTTATTTGT
67051 AATGAGTTGC TTTTTTCTTG CTGCTTTCAA AATTTGTTGA CTTTTGAGAA
67101 TATGATTATA ACATATCTTG GTGAAGCTCT CTTTGTTTTN NNNNNNNNNN
67151 NNNNNNNNC CAAAATACAC TAAAACAAAT TATATTCATT TCCCTCTCCA
67201 GATTTGGGAA ATTTTCTGTC ATTCTTTCTT TTTTTTTTTT TTTGAGACAG
67251 AATCTCACTC TGTCACCAGG CTGGAGGGTA GTAGTGTGAT CTTGGCTCAC
67301 TGCAACCTCT GACTCCCTGG TTCAAGGGAT TCTCCTGCCT CAGCCTCCTG
67351 AGTAGCTGGC ATTACAGGCA CACGCCACCA CACCAAGCTA ATTTCTGTAT
67401 TTTTAGTAGA GACGGAGTTT CATATGTGGC CAGGATGGTC TTGATTTCCT
67451 GACCTCGTGA TCCACCCGCC TCAGCCTCCT AAAGTGCTGG GGTTACAGGC
67501 CTGAGCCACC GTGCCCAGCC CATTATTTCT TTAAGTAAAT TTTCTGCCCC
67551 TTTCTCTGCT TCTTCTGGGT CTGTTGTAAT GTGTACACTG GTTCGCTTAA
67601 TGTTGCGTTC TAAGTCCCTG TTAGGCTTTT TTCACTCTTC ATTCTTTTTT
67651 CTTTTTTGTTT TTGTGACAAG ATAATTTCAG AAGATCTGTG TTTGAGTTTG
67701 CTGATTCTTC TGTTGTATTG TCTGCTGTTG AAGTTTCCA TTGAATATTT
67751 AATTCACTCA TTGAATTCTT CAGTTCCAGA ATTTCTGTTT GGTTCTTTTT
67801 TATACTCTCT ATCTCTTTCT TGAATTCTTC ATTTTTTTCA TGCATTGTTT
67851 TCCTGGATTC ATGTTATTTG AATTCTCTTG TAGCTAAGAT GATTATTTTT
67901 TATACTTATC TGGCAGTTTA TGTATCATCA GTCGTTTAGT GTCTGCTACT
67951 GGTGCTTAAT TTTGTTCCTT TGGTGTCCTG TTTCTCTAAT TATTAGTGAT
68001 TTTTGTGGAC TTGTGTTATT GTCTGTGCAT GTGAAAAAGT AAACAACACT
68051 TCTTGTCTTT ACAGATTGGT TTCTGTAGGG AAAGCCCTTC ACTAGTCAGC
68101 TTGTCTAGTA GTTCTTGGTA GGCTGTCTTG CTGCTGGAGT CCTTGGGTAT
68151 CTTGGTTTGT TGTCTGGGTC AGCAGGTGGA TGGTCTTGGT GTCTAGGTCG
68201 AAGGAGGGCA GTCTTAGTGC TGGGATGGGG CTGGAGCCTG AGGCCACAGG
68251 GACAGTTCTG GAGCCTCTGT CCACTGGGGC TGACCTGGAG CCTGTGTCTA
68301 TGGGGGTGAT CCTGAAGGCT GAGTTCATGG ATGCCACCTG GCACTGAGGT
68351 GGGCCTTGAA TTCAGGACCA TAGTGGTGGG TCTAGAGCCT GAGACCAGCC
68401 TGGGTCTACA GAGGCTGGTT CGGAATTTGG GGCTGCAGGT CCAAGCCTGG
68451 CTCTTGTGTA GGCCTAGAGC CTAAGTCTGC AGGGATCCAT CCTGGGCTGT
68501 GGGGGCTGAC CTTGGGCTGG GATAGGGCAA GTACTGGAAT CTGTGGGGAG
68551 AGCTGGATGC TTATGTCATC CTTCTTCCAT GTGGACAGTA TTTCTCTCCA
68601 CATTGTGCTG CCAGAGGTTG GGGGTGGGAT GAAGCATTTA GTGAGAAACT
68651 TTACTTCCTA GATTCTTCAA TGCATGTTTT CTTATTTATT TATTATTTTT
68701 TGAGACGAAA TCTCTCTTTG TTGCCCAGGC TAGAGTGCAG TGGTGCGACA
68751 CGGCTCACTG CAGCTTCAGT CTCCTGAGTT TAGTTGATCC TCCCACCTCA
68801 GTCACCTGAA TAGCTAGGAC TACAGGTGTA CGCCACCACA CCCAGCTAAT
68851 TTTTTGTTTT ACTTTATTTT TTGTAGACGT GGGTTTTCTC TGTGTTGCCC
68901 AGAGTAGTCA TGAATTCCTA GGCTCAAGCA GTCTTCTCAC CTGGGCATCC
68951 CAAATTGCCG GGATTACAGA TGTGAGCTAC TGTGCCTGGC CTGTTTCCTT
69001 ATTTTTGTTC TCCACCCAGG TACTCTAATC TCTCACTTGG ATTCCTTAGC
69051 TGTTGTGAAG GTATTTTCAA GTGTGGGCAA TTGTTCAAGC TGATATTTCT
69101 GTGAGGAAAG AGCAGTAGAA AACTCCTATT CTGCCACCTT TCCATCATCA
69151 GTTTCATCAC AGTTGTACTC TTTCTTGCAA AAACTCTACC ATTAGAATTA
69201 TTTGAAAACT TAGAGCCTTG TTAGAGAGTC TGGCCTAGTT GTATCCTTTA
69251 CCTCACTGTG TATAGGCGTT TCAGTATCCA TAGTTCTCTT GGTCATTAAC
69301 TAATGTTTTT AAATTGTTAG CTAAAAATAA AACAAAAAC AAAACAAAGG
69351 AAACTAAAAT GATATTAGAT AAATGAAGTA GACAATGTGG AATGATAAGG
69401 ATTTGTTTTC AATTTTTTTT TTTTAAAGAG GCAGGAGCTC TCTCTGTCTT
69451 CCAGGCTGGA GTGCAATGGT GCAGTCCTAG CTCACTTCAC TGTAGCGTCA
69501 AATTTCTCTG CTCAAACGAT CCTCCTGACT CAGCCTTCTG AGCAGTTGGA
69551 ATAGCAGGCA CATGCCATTG CACCTTATTA AATTTTTTAT TTTTTGTAGA
69601 GACGAGGTCT TGCTTTGTTG CGGCAGACTGG TCTGGAACTC GTGGCTTCAA
69651 ATGATCCTCC TGCCTCAGCC TCCCAAAGTG CTAAAATTGC CGGCGCAAGC
69701 CACCATGCTG GACCTGTTTT CCCTTTTAAA AGTGACTATA TTCCTCGAAC
69751 AATGTGTTTT GTGGTCATAT AAGTTTTGGG ATTGTTGGTT TAAATAAAAC
69801 CAATAGTTTC TTTTCTGCTG GACTCCTCAG AGTCTTTTAA TATGCAAATA
69851 TTTATCATTA TGAAGTGATC AAAAGGATTT CTTATGGAAA CTTAGTTGCC
69901 ATGGCTTGGG GAGCAGCGAC TTTTTGTATT TTGCAATGTG AATGCAATAA
69951 ATGACCACAA GTTCTTTCCA TCACTGTGTG TTTGCCCTTT TGTGTGCAGT
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FIGURE 3T

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70001 TTTGTACTCC TATGATAAAA GAAATGGAAT CAGTTTTTGC AGGCTTTAAG
70051 TCTGTGCCTG GCCCTGTTAC TTTCTTTGGC CAGTGTGATG TCAGCAATCA
70101 TGATGCACAC AGGCTTGAAA GTGCTTGAGG CTTGCCTTCC CTTGCTGCTC
70151 TTTTAAATCC TACCTTATCT ATATTAAGAA ATATTTACTA GCTTCCTGGA
70201 GGATGAGAGA CCCTGTGGAA CAGAATGAGC CCCCTTAGCT GAGAATCCTT
70251 CTACCCAGCT GTCCTGCCAA TTACCAGACA TGTGACATCA TGCTGGACTA
70301 TCCTGTCCCA ATTGAAGTTT GTCCACACCC AGTTAACTCT CAGAACTGTC
70351 AGAAATAATA TATGTCTGTT GTTTAAGTC GCTAATTTTT GGGGTAATTA
70401 ACTATCAAAA GCTAAAGGAT GCATATACTT GTTAACTTTT TATATAATGC
70451 AGTTGTTTTG CAAATTTAGG CTGAGAAACA GTGCTCTATG GGTAGGAATA
70501 TTCTCTAAGG ACTTATTGGT AGCTTAGGTT ACTTAGTGTG GTTTTGAATT
70551 CTTTTTGAGA CATTTTCAAA TTTACTATTG AATTTTAACT TAATTTCCAA
70601 AAATTTCTAT AGCAGAACAT GCTCATTTAA TGTAAATAAT TTGACAAATG
70651 GAATTATGTA ATAATGGATG ATTGATGTTG GGCTAGTAGA AACTTTCTCT
70701 AGAATCGATG TTATAAAACC TTGGCTGATT ATTATGAGTT TTTTTTTATC
70751 TGCAATATTT ATCTGTATTT TATTGCATAC TGTTGCATAA AATAATGGGT
70801 CAGGTAGATG CCCAGTCATC AAATGCCACA TGTCAGAATT TCAGGTGATA
70851 GTTACAAACT ACATCAATCA AAAACACTTT CTAGTTTAAA ACAATTTGGA
70901 ACTACAGAAC ATACAGTAAC ATTTTTGAATT TAAAATTACT GCCAATGGGG
70951 AATGTGTTTA AACAGCATCC ACTCTTGGAA TTGCTAAACT GATTTATTCA
71001 TCATAGGAAC TGGTACTACA ACTGCATATT TAATTGCTCT AATGAAAGAT
71051 TTTTTTTCTT TATTTTCCTG TAATACAGTA TTTACAATCC ATGGACTTGT
71101 GCCATTTTCC ATTTGGCACT TTATTATTTG GCCTAAGGCC ATGGTGTGCT
71151 GTGATGTTAC TCATGAGCTC TGGAGTGATT AACACTGGTG AAAGTACTTT
71201 CTTATACTGC ATTTTATGCT TGCTTCCAGAT AATAAAAATT TTCCTGAGAA
71251 GTCAACATTT CTGTAATTAG ATTCCTAAAA ATTCAGTTTC CTGATTTCTG
71301 GCAATTACAT CTACAAAAAT TTCTCCAGAT TATTTCTGCA GATGGTTAAT
71351 ACTTATTTTG GTATAGAAAA CCTGTTTCAA ATGGCTAGTT AATTATCAAC
71401 ATTTAAAAAA TAGTATAGTG GGCATTTAGC ATGTTTTCAG AAAAGATTTT
71451 AGTGCATAAA GTTAAAATTT CCAAATCACA CTTGCCTAGT TATATTTAAG
71501 TTTGCAAGAA AGGTGCTAGG ATGGAAATAT TGCCAGTGAA AATATAAATG
71551 TTAATACATT ACTAATTTTA GGAGACCACA AGTGTTAGCC ACTTACTTAA
71601 ATGTAATGTT TCCTTCTTTT GGAGCTTCTG AATGGTGATT ACAGTGACAT
71651 TAAGGTCAAA TGCGTTTTCT TTACAGCATG AATCCTTACA ATCTAGGAAT
71701 ATGCTAATAT TCATTGTGAA ATTCCAATTT TCTTATCCAG AGATAACAGC
71751 TGTTAACATT TTGTTATAGT TCCTGTAAGA TTTGTGTGTG TGTGTGTGTG
71801 TGTGTGTGTG TGTGTGTGTA TGTGTGTGTG TGTGTATGTA TATTAGAGAT
71851 GGAGTCTCAC TCTGTCGCCT ATGCTGGAGT GCAGCAGCAC GATCTCAGCT
71901 TACTGCAGCC TTCACCTACC AGGTTCAAGT GATTCTCCTG CCTCAGCCTC
71951 CCAAGTAGCT TAGAGTACAG GCACGTGCCA CCATGCCTGG CTGATTTTTG
72001 TGCTTTTTTT TTTTAGTAGA GATGAGGTTT TACCATGTTG GCCAGGCTGG
72051 TCTCGAACTC CTGACCTCAG GTGATCTACT CTCTTCAGTC TCCTGGAGTA
72101 CTGGGATTAC GGGTGTGAAC CACAGCGCCT AGCCGTCTTT GTATATTTTA
72151 ATGTAGTTAA TCTTAAGATA TATGTAGTTT TATATTCTGC TTTTTTCACT
72201 TAAAATTATG TAGTAAACAT TTTACATTAG AATTTGTTGG CAAAACTTTT
72251 TAAATGACTA CACCAAAGAC TTTTATATGG ATAAACTGTA ATTGGTTGAT
72301 CCTTCTTTAG TCTCAAATAT TTAGGCTTTT GTCTATTTTT CCATACCATT
72351 GTTATAAAGA TATTTGTGTG TAAATCTTTG CATTTATGAT TTTTAGAAAT
72401 AAAAGTATAA GACTAAAATG TATTATTTTT AAAGCTTGTG ACAAATATCA
72451 AGCTTTTGTT TTCAGAAAGG TTATTCTAAT TTATGATATA TGACAAAAAT
72501 TTAAAATTAT AACAACCTTA AGCAGGAACT CAATTTTCAC TTTGGTTATT
72551 TTCTTTTTAC TTTTCACTAG AGTTTATTTT TTTAACTTTT GGAAAGATCT
72601 TTATTGTCAG AAATTGATAT TGAATAATCT TTAGATAAAT ACAGATTTTA
72651 AAAAGAAAAT GAAAAATAAT TATTAATTAT ATATCTTCTC CTTTCTATAA
72701 AAGTGTTAAA TTTTTAGATA AAAGGGTATA GCTGGGCCAT TACTTTTAAT
72751 GTATTTTACA GTACATGACA GCAGGTTCTT ACCTTTTATT TATATCCTTA
72801 GTACTTAGCA TATGAATAGC ACATAGTAGA TACCCAATCA ATATTTGTTG
72851 AGTGAGTGAA TGAATAACTG TAATTTTCAT GAATAAACCC CATATTAAAT
72901 GATAAATTTC AGATATATGT GAAAATGAAT TTCTCATCTT TCTTCTTTAC
72951 CAAAGTACAA TAGTCTATTA TTAACCTCAT GAAGCACCTT TAGATTTTCC
73001 ATATTTTATA AAGCAGCTGA TTTCTTCTAT GATTTTTAAT CCATGTTCAG
73051 TGAATTTAAC ATTTTTAGAA TAAAAATGCC TATAATAGTA CTGTGCTATC
73101 TACTCTGGAA AGATATAAAG AAGTCCTTTA TGTTTTCTGC AGAAACATTT
73151 TGCTGCTTTT ATCTACTATT AAAAATTCTT ATTTTAGTAA GGTAAACAAA
73201 AAATAGTGCT TTTAATATTT GTATTCATAT ATTATCATTG TGATAAGTTT
73251 CTCTATGTAC ACCATAACAA TTTTCAGTGA TAAGTGGCAT TCTTAACCAA
73301 ATATATACAA ATGGAGTATC ATCAAGTTTA ATTCTTTTAT GCATCTAAAC
73351 CTGCCTCTCC TCACCTCCAT GCTTTCTCTG TTTCATTTTA TGTAGCATTT
73401 TAGGTTGTTC CTTATTATTT GGAAGTAATT CATCTTTATA CTTTTTTGATC
73451 TTGCCTTTGG ATTCTAGTTT TCAGAATTTG GACATTTGGT TCACAATGAG
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FIGURE 3U

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73501 CTAATGTATA AACCATTAGA GAGGTAGTAC TCCATTTTCT TGTGAACGCA
73551 GTTTTGTAAA GTGAACTGCA GCCAGAGCCT CAGGACTAAT TGTATAACCC
73601 AAACCCCTTA GTAAACTCCG ATCCAGGTTA AACTTAGAGG TCGTTGGCTA
73651 TCAAATTGAG TGTATACCAC ATATCATTAG TTAAATAAAC ATTTATTTAC
73701 TCCCATTTTA AAATGTAGCA GTTTTCTTAA TTATATGAAT AATCAACTGT
73751 CTCTTTCACT AATTATATAT TTAAAATTTA CTACTATATT TTCACCTGGC
73801 ACCTTTTCAG ATGAGCCTAG AACATCAGAA TGTGACAGTC AGTTGAGTTT
73851 CATAGGATGA GCTCATTAGC AGTACATTTC TGGTGCAAAG GTTTGAGTGA
73901 AGTAGTTTAA TTGACTATAA TTATATTTCA TTCTTCATAT CCCCTTAGGA
73951 TAATTAGAAG AAATTCATTT TAGTTTTTAT TCTTTAAATA CAGTACTGCA
74001 TTTTATATTT TATTTTTTTA CAGGCTCAAA GATTGAGGGT TTCTATGATG
74051 CTTTATTAAA TAAAGATTG CTTTTTTTGG AATAAATAGT ATAACCTGTG
74101 GAAATGCTAT TAATTCCATA TTGGTTCTTG GCAGGGCTTT TAAATTTGGT
74151 TTCTTTTGAT TTGCTTCTTG TTGTCTAGAC AGAAAAGTGT CTTCTATCAC
74201 TCCCAAGATC CCAGTCTTTC TTGCCAGCTT CTCTTGTGCA TTTTTATAGT
74251 TTTAAGTAAT AGCAATTGAA CAGGAAAGCA CATTTGGGAA AGTAGATTAC
74301 TTTTTACCAG GAAATAGTGC CAGAATCAAG ATTGTAGTTT TAATCTCCTT
74351 AAATATTTCA GAAGGTTAAC TCTTTCATTT CACTTTTCTT TTTATACCTT
74401 ACTTTTGTTG GGCTTTTATA AAGGAGGAAA AATGGGAGAG ATAGCAAAAG
74451 TTACTGGAAG GATCATCAAT TTCTATCCTC AGCTCTGATC CTGATTAACT
74501 TTTGGTGAAA TCAAATAGCC TTCCTCTCAG ACTCTAAATG GAAAATTTAA
74551 TTTGCAATTT CTGATGGTTA TCTTGTTCTG TATTTAGAAA TAATGTTGAA
74601 GTTGTGATAG AGGCATTATG CTACGCTTCT TTGTATATTT GATCAGTGCT
74651 CTTTAAATAC TTCATGAGTG TTTGCTACAG TTACATATTT TCAGACAGAG
74701 TAAAGGAGAT AATAATTCGC ATAAAGACTA GTACCCACTA GTAGGGTTAA
74751 CGTGGTTCTT TTGTGGTACC ACACTTCATC ACTTTACTAT ATACAGATAT
74801 GAAGTAATTG TATACTCATT TATCTCGCCC TTTAGTTCAT TGGTCCCATT
74851 ACTTCATAGT GTGATCTTTC CAAAATAAAT TACTAATATA GCTTAAAATC
74901 TATCAGCCTA ACTGCCTATT GATCATCTCT AGTATGAAAT CTGTGCTCAT
74951 TAGCCTCCTT TTCCACTTGC ATCTCACTTT ATGCTCTAGT CTTGTTGAAC
75001 CACTTCATAT TTTTGCACAT GCTGTCCTCC CATCTGCCTG AAAAGTTATT
75051 TTATGACCTC TCAGTTACCA AAGATCCTGT AATGTGTACA CCTCATGCCT
75101 TCCATACACA TGGACTCCAA ATACACATAT ATGCTTTGTG GACATAATTG
75151 TGTCTTGTGT ACCTTTGTAT CCCTAGTGCT TGGCAAATAA AAACAACTAA
75201 CTTAATTTTA GTTGAATGGC TGAGTGGATA TTTTGTGAAG CAGTTTATGG
75251 TAGTTCCTAT TTTTTCAGAA ATAGTTCTTT TGCCTTTACA TATGTATTAG
75301 TCAAGATTCT CAAGAGAAAC AACCAATGGG ATGGATGGAT GGATAGATGG
75351 GTGGATGGAT GGATGGGTAG GTAGGTAAAG AGGTAGCTAG GTAGATAGCT
75401 AGGTAGGTAG GCAGATAGAT AGATAGATAG ATAGATAGAT AGATAGATAG
75451 ATAGATAGAT AGATAGGAGA GGAGATTTAT TAGGGGAATT GGCTCACACA
75501 ATTATGGACG CTGAGAAGTC CCTCATAGGC TGCCTGCAAG CTGGAGATGT
75551 AGGGAAGCCT GTAGAAGGTA GTGTGACTCA GTCCAAGTCC CAGGGTCTCA
75601 TAATCAAGGA AGCCAGTGGT GTAATTCTCA GTGAGACTGA AGGCCTGAGA
75651 ACCCAGGGGG CTGCTGGTAT AAGTCCCAGA GTCCAAAGGC TGGAGAACGT
75701 AGAGTCCCAA TATCCAAGGA CAGGTAAAGA AGGGTATTCT AGTTCCAGGA
75751 AAAAGAGCAA ATTTTGCCTT TTTACTGCCT TTTAATTTTG TCTGGACTCT
75801 TAGCTGATTG GATGGTGCCT GCCCACATTG AGGGCTGATC TTTCCTAATG
75851 AGTCCATTGA CTCACACCAT TCTCTGGAAA CATCCTCACA GATACACCCA
75901 GAAATAATGC TTTACTAGCT ATTACATATC CCTTTATTCA GTCAAGTTGA
75951 CACCTAAAAT TAGCCATCAC ACCAAATGTT TTTGTTGGGT AACAGCTTTA
76001 TTTAGATGTA ATTCACATAC CAAACAATTT ATTCATTTAA AGGGTACAAT
76051 TCCATGGTCT TTAGTATATC TATGGAATCA AGTAACCATC TCCACAGTCA
76101 ATTTTTAAAG ATTTTCACCA CCTAAAAAGA AACCCTGTGC CCTGTACTTA
76151 CTACCTCCCA ACCTGCCCAT CTCACTTAGA TAATCACTTT GATTTGCCTG
76201 TTCTGTACAT TTTCTATAAA TGGAATCATA AAATATGTGG CTCTTTGTGA
76251 CTGGATTATT TTATTTAGCA TAGGTTTTCC AGGTTCATGC ATGTTGCAGC
76301 ATGTATCAGT ATTTAATTTT TTTTAACTGC CAGATCATAT TCCATTGTGT
76351 TGATATAGCC CATTTGATTT ATCAGTTCAT CAGTTGATGG ACAATTGGGT
76401 TGTTTCTACT TTTTGGCTAT TATGATAATC CTGCTGTGAA CATTCATGTA
76451 CAAGTTTTCG TGTGAATACT TGCTTTTAAT TCTTTAAGGT ACATATCTGG
76501 AAGTGGAATT GCTGAGTCAT ATGGTAACTT TGTGTTTTAA CCTTTTGAGG
76551 GTCTTCTAGA TATTTTCCAA AGTATCTGTA CCATTTTACA TTCTTACCAG
76601 TAATATATAG AGAGTTCCCA TTTTTTCCAC TTCTTTGCTA ACACTTGTTA
76651 TTATTTATCT TTTTGATTAT AGCTATCCTA GTGGGTGTAA AGTATTATCT
76701 CATTGTGGTT TTGACTTTCA TTTCCTAAAT GACTAATGAT GTTGAGCATC
76751 TTTTCATTTG CTTATTGACC ATTTCTATTG CATCTGCTTT AGGGAAATGT
76801 CTAGTCAGAT CCTTTCCCAT TCTTAATTCG GTGATTTGTC TTTGTATTAT
76851 TGAGTTGTGA CAGTTCTTTA TGTATTCTAG ATATGATTCC TTTATCAGAT
76901 ATGTTATTTG CACATTTATT TTTCCAGTTA GTTGTCTCTT TCACTTTCTT
76951 GATAGGGTCC TTTGAAGCAC AAAAGTTTAA AAAAAATTTT TGATTAAGTC
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FIGURE 3V

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77001 CAGTATCTTT TTGTTGTTGT TGTTGAATGT ACCTTTGGTG TCACATTTGA
77051 AGAACTGTTG TCAAATCCAA GGGCTTTAAG GTTTACTCTG TTTTTTCTTC
77101 TAAGAGTTTT ATAATTTTAA CTCTTACATT TAGATCTTTG ATTCATTTTT
77151 TTAAATTTTA TTATTATTAT NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
77201 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
77251 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
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80401 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
80451 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
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FIGURE 3W

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80501 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
80551 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
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81651 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
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82101 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
82151 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
82201 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
82251 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNACAGA
82301 GGCAGGCAGG CCTCCTTGAG CTGTGGTGGG CTCCACCCCA GTTCAAGCTT
82351 CTTGGCTGTT TTGTTTACCT AAGCGAGCCT GAGCAATGGC AGGCGCCCCT
82401 TCCCCAGCCT CGCTGCCGCC TTGCAGTTTG ATCTCAGACT GCTGTGCTAG
82451 GAATCAGCGA GACTCCGTGG GCGTAGGACC CTCTGAGCCA GGTGCAGGAT
82501 GTAATCTCCT GGTGCGCCGT TTCCTAAGCC CGTTGGAAAA GGGCAGTGTT
82551 CAGGTGGGAG TGGCCCAATT TTCCAGGTGC CCTCTGTTAC CCCTTTCCTT
82601 GACCAGGAAA GGGAACTCCC TGATCCCTTG CGCTTCCCGA GTGAGGAAAT
82651 GCCTCGGCCT GCTTCGGCCG GCACACGGTG CACTGCACCC ACTGTCCTGC
82701 GCCCACTGTC TGGCACTCCC TAGTGAGATG AACCCGGTAC CTCAGATGTA
82751 AATGCAGAAA TCCCTCATCT TCTGCGTTGC TCACGCTGGG AGCTGTAGAC
82801 CGGAGCTGTT CCTATTCAGC CATCTTGGCT CCTCCCCACT ATTTTGAATG
82851 TTTTCTATGT TATCTTTTGA GATAATCTAG TGTTTCTTAG TCTGTCAATA
82901 TGAATTATAT TAATTGATTT TCAATGTTTG AATCAGTCTT GTAGTCCTGG
82951 AATGAACTCC ACTGGAATGT AGTATTCCTT TTGCACATTG CTGAATACTG
83001 TCTACTAATA TTTTGTTGAG GATTTTTGCA TATATGTTCA TGAGAAATAT
83051 TGTTCTGTAG TTTTCTTAGA ATGTTTTTGT CTGCTTTTGT TATCAGGATA
83101 ATGTTGGCAC GGTGAAATGA GTTGGGAAGT ATTCTCTTTA GTTTTTATTT
83151 GTTGGAAGAA ATTGTGTAGA ATTAGTATTA TTTTTCCCTT ATATGTTCTC
83201 CATTGAAATC ATCTGGGTCT GGAATTTTCA TTATTTGGAA GGCTTATGTA
83251 AATTTTAATA TTTTTACTAA ATCTAGGACT ATTCAGATTA TCTGTTTTTT
83301 TTCTCAAGTG AATTTTGGTA GTTTATATTT TTTCAAGAAT TCTGTTTCAC
83351 CTAAGTTGTT GAATTTATGG CCAAAGAGTC ATTCATAGTA TTTCCTTATA
83401 TTTTTAATAT CTGTTGGATC AGTGGTATGT CCGGTCTTTC ATTTTTGATA
83451 TTGGTAATGT GTGTTTACTT TCTCTTTTCC TTGGCTAGAG GTCTGTCATT
83501 TGTATTGATC TTTTCAAATT GCCTTTCTTT CTTCTTTTTT TTTCTGAGAC
83551 AGAGTCTCAC TCTGTTGGCC AGGCTGGAGT GCAATGGCAT GATCACAGCT
83601 CACTGTGACC TCTGCCTCCT GGGTTCAAGC CATTTTCATG CCTCAGCCAC
83651 TTGAGTAGCT GGGATTACAG GCATGCACCA TCACGCCTGG CTAATTTTTG
83701 TATTTTTAGT AGGGAAGGGT TTTTGCCATG TTAGCTGGCT AGGCTGTTCT
83751 CAAATTCCTG GCCTCAAGTG ATCTGCCCAC CTCAGCCTTT CAAAGTGCTG
83801 GAATTACAGG TGTGAGCCAC TGCGCCCAGC CTTGTTTTAT TGGTTTTCTG
83851 TTTTCTATTT TATTTATTTC TACTCTAATC TTTGTTATTT CTTTCCTTCT
83901 GTTTGCTTTA TGCTAAATTT CTTCTTCTTC CTCTAGTTTC TTAAGGTGGG
83951 ATGTGTGGTT ACTGATTTTA GATCTTTCTT CTTTTTCTAAT CTAGGCATTC
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FIGURE 3X

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84001 AAAGCCATAA ACATTCATTA AGCACTGCTT TAGCGGCATC ACACATATTT
84051 GATATAGTGT ATTTTCATTT CCATTTAGTT CAGCATATTT TAGAATTTCC
84101 CTTGGTACAT CTTTAAATTA TCACAGTCTA CCTTTAAGTG TTATTATACC
84151 ATGTGTACAG TATAAGAACC TTAGAACAAT ATATTTCTAT TGTTCCCCTC
84201 CTGGCCTTTG TGCTATTGTT GTCATATGTT TACTTTTGCA TATATTGTAA
84251 ACTTCAAAAC ATACTGTCAT CAGTTTTGCA CTAAACAGAG TATTTTCTTT
84301 TGAAGAGTTT AAATATTAAG GAAAAGTGAT ATTTATATGT ACTCAATGTA
84351 GTCACCATTT CCAGTTCTCT TTAGTCTTTT GTGTAGATTC AAGTTTCTAT
84401 CTGGTATCAT GTTCCTTACT CTTGAAGTGC TTACTTTAAC ATTTCCTATA
84451 ATGCAGGTGT CCTGGTCATG AACTTCTTCA GTTTTTTTTT TTTTAATATC
84501 TGAAAACGTA TTTTGTTTTT ATTTTAGAAA GCTATTTTAA CTGAATAAAT
84551 AATTCTAGGT TGACATTCCT CCCTCCTTGT GTTCTTTAAT GGTTTTGCTC
84601 CACTGTCTTC TGTCTTGTAT TTTTTTTGAA AAGAAATCTG CTTTCTTCAT
84651 TTTCTTTGTC TTGTCTATAT AACATGTCCC CCGGCCCCAC CTCATTGCTT
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85001 GGCTAATCTG CTGTTAATTC CATTCAGTGC CTTTTAATAT TGTGGACATT
85051 GTAGTTTTCT TCTCTAGAAG TTTGATTTTT ATCTTCTTAA AATGTTATAC
85101 TTTTCTACTT ACTGTTTTCA ATGTTTCCTT TATTTGCACA AAGGTAATGC
85151 ATTTATAACT TCTAATGTCC TTGTCTACTA ATCCTATCAT CTGTGTACTT
85201 TTTGGATCAG TTTCAATTTA TTGGTTTTTC TCTTTCTCCT TACGGGTATA
85251 TTTTCCTGTT TCTTTGCATG CTTGTTTATTT TTTTTGTTTC CATTTGCAAA
85301 GTTATTTTCT TTACTCTCTCT TTTTTTTTTC TTTCTTCTCT TTTTGTAAAA
85351 GGAAACCATG GTCTTGGGGG CTAGAGCGGA GTTTTGCATG CCTGGTAATT
85401 TCTGATTGAA TTCTAGACAT TGTAAATTTT ACCTTGTTGG GAGGTGGGTT
85451 TTTTAAATAT TCATAAGAAT TTTAGTATTT ATAAAAATAT TTTTGAGTGT
85501 AATTTTGAGG TGTGGTTAAG TGTTTTGGTA ACAGTTTGAT CCTTTTTAGT
85551 CTTGTGTTTA AATTTTCTGA GGTGAGACTA AGGCAGTGTT TTGAATAGGG
85601 TTGATTTTTC CACTCTATTG AGGTAGGGCC CTTTTTAGTA CTCTACCTAA
85651 TGCCCTATGA ATTATGAGTT TCCACTCTGG CTATTCGGAG GAGGCACTAT
85701 TCCTGGCCCT TTGTGAGCTT TGAGTATTAT TTGCTCCATT CTTTTTAGGT
85751 GCTTTTTCTTT GGTCTTGTGT GTTTTCTTCA CGTGTGAATA TTTGGCAGCC
85801 ACTTTTCCGT CACACACAGG GTTTTCTCTT TGTTTGAATC CCCACTCCCT
85851 CTGTCTCTGT ACAGGGGAGC TGTTTTATTC TTCTTTCTTG CCTATTAAAT
85901 TCTCCATGCC TATATNNNNN NNNNNNNNN NNNNNNNNNN NNNNNNNNNN
85951 NNNNNNNNNN NNNNNNNNNN NNNNNNNNN NNNNCTTCTG CAAATTTTAA
86001 AGGTTTTCTC CCTGGGAACT TTATTTATTA TCTCCAGTAC TCTACCCTGC
86051 AAACTGTAGC CACTTTGACT TTCCCATACT CCTAGCTCTG TCTTCTCAAC
86101 TCAGGGAGTT TGTAGGTTCT GCCTAAGGTT TCCATTGCTG TGACCTGTGA
86151 ACTTTTTCCA GTCAATAAGT TGGGAGCAAT CATAGGGCTC ATCTTATTGG
86201 TTTCCCTTTT CTCAAGGGTC ATTGTCTTTG ATTCAGATGT TCAGTGTCCT
86251 GAAAGTTGAT GCTTTATATA TTTTGTTTAC TTCTTTTAGT TTAGTTTTTT
86301 TGTTTTGTTT TTTCCAGACA TGTCTTAGTC CATTTAGTAT TGCTATAGAA
86351 TTTAGTATTG CTATAGAGGA ATGCCTCAGG CTGGATAATT TATAAAGAAA
86401 AGAGGTTTAT TTGGCTCATG GTTCTGCAGG CTGTACGAGA AGCATGGCAC
86451 CAGCATCTCT TTCTGCTGAG GCCTATAGTA AGCTTTCACT TGTGTAGAAG
86501 GTGAAGGGGA GCTTACATGT AGAGATCACA CGGCAAGATG AGCAGCAAGA
86551 GAGAGATGCC AGGCTCTTTT CAGTCACCAG TTCTTATGGG AACTAAGAGT
86601 GAAAACTTAC TCACTCCTGG AGAATGGCAC CAAGCCATTC ATGAGGGATC
86651 TGCTGCCACA ATCCAGACAG CTCTTACCTA GGCCCTACCT CCAATATTGG
86701 GGATCAAATT TCAGTGAGAT TTGGCAGGAC CAAACAAACC ATATCCAAAC
86751 TATAGCAAGA CAGAAAGGTA AATAAATGTT ACCTTTTTTA CTTTATGATC
86801 AGAAACAAAG GTCCTTATTT ATCCATTTTT GAAAGTCCCA TATTTAATGA
86851 TTTACAGCCA TGCCACAGCA TAGGACATAT TCACATGTCC CGTGTTAAAA
86901 TTGCTGTCTG AATTTCATGT ACTCTTTAGA GAACTGCTTT GCAGTTTTAA
86951 GTATACATTT TTAGGAAAAA AAAGCTTATT AAGAATGAAA TTTCTTCTCG
87001 TTTTGATCCT ACAGAAAGAG GAATGCTCTA AGGTAAAATG GGGCATGATG
87051 CTAAAATGGG AAAAGTAGGG TAGATTGATG AAACTTAATC TGAAAACTAG
87101 CAGCAGATGT TTGAGAACTC CATCATAGGC CTGAAATAAA TTTAAGGATA
87151 AGTTTAAAGG TTTGGTATAA AGTTTTCTTT AATGTCCTGG GTTGAATGTA
87201 GATGGAGAGT GGGGGGGAGGT GTGAGTTCTG GAGAACTGTT AATTTGTTTG
87251 TAATTTTATT ACCTATCTGT CTGTGCATCT GTCTTCATTG GGGTCCCCAA
87301 GACCCACTCTC AGGCTTGATG ATTCACTAGA AGGACTCACT GGACTTGGAA
87351 GCTGTTACAC TCATGGTTAT GATTTGTTAA CACTGAAAGG ATACAGATAA
87401 AAATAAGCAA AGGGAAAAGG TGCATGGGTA ACGTCCAGAA GAAACCAGGT
87451 ACACACTTCT AGATGTCCTT TTCCAGTGGA GTCACATGGG AACACACTTA
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FIGURE 3Y

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87501 ATTCTCCCAG CAACTATGTG TGACAACAGG TGTGAAGTCA CTACCAAACA
87551 GAGAAGTTCA CTTGAGCCTT AGTGTCCAGA ATTTTACTGG AGGTTAGTCA
87601 CGTTGGTATA CTACAGTGCT GGCGTGACTG ACCTCAGCTA TCCAGATTCC
87651 AGTACTTCCC AGGGCAAAAA CAAGCATTCA CCATAAATCA CACTGTCAGT
87701 ATAAACTTAT CTGGTCAGAT TGGTACAGCA TGGCCCAAGG TACATACATA
87751 CTGGGATATT GTGCCTGATA CTTGTTTTTA TATGCACCAG TACATACCTC
87801 TCTAGTTTAC TAACTCCATA CTTTATTTGG ATTGAATTAG TTTTTCCTCT
87851 AATGTCCTTT GTCTGTTTGA GGATCCCTTG TAGATTTTCA CATTACATGT
87901 GGTCATCATG TTTCTAGGTT TCTCTGGGCT GTGACAATTT CTTTTCTTAT
87951 TTTTGATGGC CTTGACGATT TTAAGGTGTA CTGGTCAGGT CTTTTGTAGA
88001 ATGCTTCTCA ATTTGAGTTT GGTTGATGTT TTCTTACGGT TTGACTGGGA
88051 TTGACGGTTT TGGGAGGAAA ACCAGACATG AAGTTCCAAT TTTCATCACA
88101 GTCTAACTAA GGTATAATAT ATATTTTGAA CCTTTAATTA TCTAATTTAA
88151 AAATCTCCTG GCCCTTCAGA AATACTTAAT CAGATTTTAG GCCATTATGG
88201 TGCTTATATG CCAGATTTGT TCTCAGTGGC TTTTCTTATC TGATAACTTT
88251 TAATTAATAG GCAGCCTTCT TTGCAGTGGT GTCAAGATCA CTGTGCACAA
88301 CTTCATATCT TTCTGGAGAC AACAGGGAAA GGAAGCCAGA AGGGAGAACA
88351 GTAATTGGTC AAGTTGCAGA TTAGGGAAGC TAAAATTGGT CTCTTTTACT
88401 AGATTAGAAT CTGGAGTAAA ACTCCAGTCT GGCCCTTCAG CATAACTTTT
88451 CCATTATTCA CATATGCCTC TCTTCCTTCT ACAAGCCAAA TTAAAATTTA
88501 GTATTAGGGA CTCCAAATGG TACAAACTCA TTCATTCTCT TTAATTGCCT
88551 AACTCCTACT CATTCTTCAT ATTGTTGCTT AAATGTCAGA CCTTTTAGGA
88601 AGCTATACTT GACTTAGAGG ACCCTCAAGG CCTGTCATGG GCTCTTGTAG
88651 TATTCCGTAT AATTTTTTGT CTAGTCCTTA ATTTAAGTAT TAGTGTATGT
88701 TTTAATGTAT TTTTTTTCCC AGACTGTAAG CTCCACAATG TAGAGACCGT
88751 GTCAGTTTTA TTCATTTTTG TATTCTTAGA GCCAGGCACA GCATTCAAAA
88801 CAGCCATGCA GTAAATATGAA TATATCTGAA TCAATGAGTG AATACATAAA
88851 TAATTGAGAA AATGAATGGA TATTAGATAT TAAAACCTTT ACCAACTCTA
88901 CTTATAGCAG CCTGACTCTA GTTAACCATA AATACACACT TGTAACGCAT
88951 GGGCCCCACA CTTACCCTAA GTTATAAAAA TGGTACAATT AGGTAATTTC
89001 TACCCTAAGA CAGTCAGTTT TTGCTCAGCG ATCTAACCAC GTAGGCTTGC
89051 TTACTTCTGA GACTTGCTTG ACCTATCTCA TTGAACTCGC TCTGTGCCTG
89101 AGATACATGT CCAATTTCTC AAGGCAAGTT CTTCTTCCAG AATTGTCTTG
89151 TGACATACTT TGAGCCAATT CCCTAGTTGG TTCTGTACCA GTAAACTCAT
89201 ACCCCCAGCT ATTACATGTA GCACATTCAA CATTCAGGGA CAAACTTTGA
89251 TGTAAGTTAA ACTTTTTTTT TCTTTTCTAA ATATTGCCCA TTAAGACTGT
89301 GTTTTAAGGA TTGTTTTCTA ATACTTTCTT CACTCTTTAT CAGAGGTTTG
89351 TCCTCCTACC TTTTGCCTTC AAACCAAAAC ATCAGTAACA GTCCTCTTTC
89401 CCCAACATCT TTGTTCTCTG GCCAGCATTG ATTATTCTTC CCCATGGGGG
89451 AGCTTACTTT CTAGTCTATA CCTCAGGACA CAGAATCTGA ACTGCTTTTA
89501 AAGTTTGCTT ATATGAGTTT GCTGAGCTTT CTGACCCAGA GATATCTTCT
89551 GTCTTTGCCT CGCATTTAAT AAACATTTGG AACATCCCTT CAGCCAGTCT
89601 TGGCAGAGTA GGCTTTTTAT TTCCATGTAT ACAAAAACTT TATTATCAGC
89651 TAACCATCAA AGGAAATCAG AGAAAATGGT TTGAACTTAT GACCCAACTA
89701 TTTGGACAGA TTAGGGCTAG GAAATGTAAT GCAAGGCATG TATGTATAGA
89751 CTTTGTACAC TTTTACATAT TGGTTTCACT CGCGTCCCTG TGAAGAGACC
89801 ACCAAACAAA GACTAGGGAG GGACCGACGT GTTAAAGAAT GCCTGGACGT
89851 CAGGCACCTC AGACCGTTTG CCCATTTTAT GACAAGAATT ATCTAGATCT
89901 TGTAGGATGG AAAAATCGAA AGTGCCATTT TCTGGCTATT TGGAACCACT
89951 GTCAAGTTTA TATTGGGGTC AAGCGGTGTT GGAGAAGAAA ATAAAATGCT
90001 TAGATTTTAG ATCAGGTGTG AGCTGAAGAG GTTTTAAGGT CTTGAGAACA
90051 CAGGCTAAGG GAGAAGAAGG AGGAATGGAG GGTGGAAGGT TGCCTATAGT
90101 GAAGGAGCAA GTCCAGAGAA AAGAGAGGGT AGAGACAGAA TGAAGGGGTG
90151 GGGGGTGCTT GCCCCCCCTGG AAAGTGGAGA GAAAAGAGAG GGTAGAGACA
90201 CAGAGAGAAG GGGTGTGGGG TGCTTGCTTC CCAGGAAAGT GGAGAAGGGG
90251 TGGGTAGAGA CATGGAGAGA AGGGGTGGGG GTTGCTTGCC CCCCAGGAAA
90301 GTGGAGAAGG GGTGGGTAGA GACATGGAGA GAAGGGGTGA GGGGTGCTTG
90351 CCCCCCAGGA AAGTGGAGAA GGGGTGTGGG GTGCTTGCCC CCCAGGAAAG
90401 TGGAGAGAAG GAAGGGTAGA GACATGGAGA GAAGCGGTGG GGATGCTTGC
90451 CCCCCAGGAA AGTGGAGAAG GGGTGGGTAG ACACATGGAG AGAAGGGGTG
90501 GGGGGCACTT GTCCCCCAGG AAAGTGGAGA AAGGGTGGGA GGTGCTTGCC
90551 CCCCAGGAAA GTGGAAAAGG GGTAGAGACA CAGAGAGAAG GGGTGGGGGT
90601 GCTTGTCCCC CAGGAAAGTG GAGAAGGGGT ATGGGGTGCT TGCCCCCCCAG
90651 GAAAGTGGAG AGAAGGAAGG GTAGAGACAC GGNNNNNNNN NNNNNNNNNN
90701 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
90751 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
90801 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NCTGTGACCG GCGCTGGAGT
90851 TTTCGGTCCA CGGATAAAAC GCATCTCCTT TGTCTCTACC AGAAAAGGAA
90901 AGGAACTGAA ATTAAGACAA GGGCGAGACT GAAGTGTGGC ACCAAGATTG
90951 AAAGGAGAAA GAGATTGAGG GTTAGTGAGA GAGGTTGGAG AAGAGAGTAA
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FIGURE 3Z

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91001 AGAGGCCGCT TACCGACTTT AAAATTGGTG AGATGTTCCT TGGGCTGGTT
91051 AGTCTGAGGA CCAGAGGTCG TAGGTGGATC TTTCTCATGG AGCAAAGAGC
91101 AGGAGAATAG CGGACTGATC TCCCAAGGCA GGCCCCCCTA TCCGAGTCAC
91151 GGCACCAAAT TTCACTCGTG TCTGTGTGAA GACACCACCA AACAGGCTTT
91201 GTGTGAGCAA CAAGGCTGTT TATTTCACCT GGGTGTCGGC GGGCTGAGTC
91251 CGAAAAGAGA GTCAGCAAAG GGAGATAGGG GTGGGGCCGT TTTATAGGAT
91301 TTGGGTAGGT AAAGGAAAAT TATAGTCAAA GGGGGTTGTT CTCTGGCTGG
91351 CAGGGGTCAG GGGGTCACAG GGTGCTCAGT GGGGGAGCTT TTGAGCCAGG
91401 ATGAACCAGG AGAAGGAATT TCACAAGGTA ATGTCATCAG TTAAGGCAGG
91451 AACAGGCCAT TTTCACTTCT TTTGTGATTC TTCAGTTACT TCAGGCCATC
91501 TAGATGTATA TATAGGTGCA GGTCACAGGG GATATGATGG CTTAGCTTGG
91551 GCTTAGAGGC CTGACAATTG GTAACCTTTT TCACCTGACC ACATGTATGG
91601 GTTTAATACT AACTCTCCAA CTTTTTTCTT TATTTTTATT TTATTTTACT
91651 TTAAGTTCTA GGATACGTGT ACAGAATGTG CAGGTTCTCA GCAAACTAAC
91701 ACAGGAACAG AAAACCAAAC ACTGCATGTT CTCACTCATA AGTGGGAGTT
91751 GAACAATGAG AACACATGGA CACAGGGAGG GAAACATCAC ACACCAGGGC
91801 CTGTCGGGGT TGGGGGGCAA GGGAAGGGAG AGCATTAGGA CAAATACCTA
91851 ATGCATGTGG GGCTTAAAAC CTAGATGATG GGTTGGTAGG TGCAGCAAAT
91901 CTCCAACTTT TTTCTATATT GCCCATCTTA ACCTCCTACC AGCTTGTCCC
91951 TCTGTCACTT TTACCCCTTC TGTTGTTTTA CTTGTAAGAT AATACAAGAT
92001 AAATATATGT CTGCCTATTA ATTTATTTCT TTACCAAGCA CCAAACATAT
92051 GTAATATAGA AGGTACTATG TTAGGAAGGT CCTAGTCATA CACACATATA
92101 GAAAAAATAG TTTAGTTATT AATTACTCAT GCCTCAAATT ATCAAGAAAA
92151 GTAATCAAAA CTCATTTAAA CATTTTTACT ATTAAAAATG ATTTCTTCTA
92201 GTTTTGGGTC ATTTGGTTAT GTAGTATTCC ATATGATTGA CTTAAAATTC
92251 ACTTAAGAAG CTTGTTAAAC ATATACTTAG CTCCTGGGCT TAGGGGTCAA
92301 TCAGTAGAAT CCCCTCTGTC TTCCCTCTGT TTTTAGTTTC CTTGTTTTTA
92351 GTTTCTATAT TTTCCATATT CCTTTATCTT TCCCAGTTCT GCTATGCCAT
92401 GGTAAGAATT GCAGGAGTTA CTAAGCAGTT TTCTTAAATA TTCAAAGCAT
92451 TTGCTGGTGA TTATAGGGAA GTTATTCAAG GAATTTGGTA AATTAGAAAA
92501 AGCAAAATAT TTTCATGATG TATGAAGAAT TTTGTAGGCG AGTTTTATGC
92551 TGTTGTCATA TCTGAGTCTT AATTTTTGTT ACTTTTTTAA GTTTCCATTT
92601 TTTATGAGTT TTTTTTCTTA TACTTGTTCA TCTGACAAAA GTAGGTAGTT
92651 TTTTAAAAGC TCATTGTGTA AATGGTTAAC CATTTTTAAG GTGAATTAAG
92701 ACATACATTT TTGTAATCTA AGGGAAGTTA CTTGGATAAT TTATTATATT
92751 TATAAGGTTT GACTTCATGC ATAGCCAGAT CTGAGGACAG TGCTAAGTGT
92801 GATTGTAATG TAATTATATT TTAGAAATTG AGCTAAGATT TTAATATAAC
92851 CATTAAACTG ATTATTGAAA TCTATACAGT TTGAAAAAAA ATTACCTTTA
92901 AGTTGATAAT ATTTTTCATG TTTTTTTCAG ATACCTATAT TTTTTAAACT
92951 TGACTAATTC CCATCTTAAT GTCTTTACTT ATTAAATATG ACATCTATGA
93001 ACATCTGGCC CTCTTAGCTA TTATATGTTT AGTGAGGTTC TCAATGTTAT
93051 TTACTAAAGA GCAACAAATC CCAACAAATC AAGAGCAATT AGTGGCCCAG
93101 TTTTGGTGTA TAGTTTCTTA TATTCTTTCT AATCTAGTTT TTTAGCTTTC
93151 TGTACTCCCA TCTGTGAAAT TGTTAGATGT TTTCAACCTA AGCTTGCTTA
93201 TGGAAAATGG AAATAAAACA GAAAGAGGGG AAAGGCTGGG AGAAAAGAGA
93251 AGCAAAGACC TCTTTGAATA CTCAGCCCTT CCCACTCACC CTGTGCATAG
93301 CACTTCACAT TTTTACTTGA CTGCACAATC TGTCTGCTTT TCATTGGTTT
93351 TCAGAGTCCT CGAGTGATTT TTGTATTTTG TCTGACATTT TTCTTTCTTT
93401 TTTTTTTTTT TTTAATTGA TCATTCTTGG GTGTTTCTCA CAGAGGGGGA
93451 TTTGGCAGGG TCATAGGACA ATAGTGGAGG GAGGGTCAGC AGATAAACAA
93501 GTGAACAAAG GTCTCTGGTT TTCCTATGCA GAGGACCCTG CGGCCTTCCG
93551 CAGTGTTTGT GTCCCTGGGT ACTTGAGATT AGGGAGTGGT GATGACTCTT
93601 AACGAGCATG CTGCCTTCAA GCATCTGTTT AACAAAGCAC ATCTTGCACC
93651 ACCATTATTC CATTTAACCC TGAGTGGACA CAGCACATGT TTCAGAGAGC
93701 ACAGGGTTGG GGGTAGGGTC ACCGATCAAC AGGATCACAA GGCAGAAGAA
93751 TTTTTCTTAG TACAGAACAA AATGAAAAGT CTCCCGTGTC TACCTCTTTC
93801 TACACAGACA TGGCAACCAT CCGATTTCTC AATCCTTTCC CCGCCTTTCT
93851 CCCCTTTCTA TTCCACAAAA CCGCCATTGT CATCATGGCC CGTTATCAAT
93901 GAGCTGTTGG GTACACNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
93951 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
94001 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
94051 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
94101 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
94151 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
94201 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
94251 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
94301 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
94351 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
94401 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
94451 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
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FIGURE 3AA

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94501 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
94551 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
94601 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
94651 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
94701 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
94751 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
94801 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
94851 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
94901 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
94951 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
95001 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
95051 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
95101 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
95151 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
95201 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
95251 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
95301 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
95351 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
95401 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NCTTTTTTTT
95451 TTTTTTTCTT TAAATCTTCA TAGAATGTGT CTTTACAGCA TGGGAAATTT
95501 TTTTTTTTTT TTTTTTTTGC TTTTCACTAT ATACAGCTAA TGGCTTTTAC
95551 TTATTTTCAT TTAGATCTAA GAACACATTT TAACAGTTAC TGCTTCCTAA
95601 TCTTGCTTTA TCTGTATTAA AGAAGCATTT GGAAATTTAT AATTGTTCTT
95651 GACCTTGGAG GTTGGTTTTC TCAACCTTTT TTTTCCTGCA ATATGTAGTA
95701 TCTTTAGTAA TTTGGTACAC TTATGATTTC TAAACAAAAT ATGTGTCTTT
95751 TGAACATTGT TGAAAGTTA GTGTATGACC CCACAAAGA TTTGGAACAG
95801 GTGCCAGCCC AATTGTGACT GCCTGACTTC TTGTCCTTAC ACTGGGAGTT
95851 GTTAGCATGA AAAAACAAAA TGTCATGGCA TTTTCTCTAA AATAATACTT
95901 TGAAAAGAAT TTTTGTCCCT GGTGGTAAAA AACTTGGCAC CCAGCAAGCA
95951 AGAGGATCTT GACTCATAGA TGTATAAAAA CATTGTCAGT GCCCCTGGAG
96001 CTACGGAATT CCTCTCTCAT AGTAATTTTT CTAATGTCTG TAGCTCAGTT
96051 CATTAATTTT TATTTTGCTG CCTTGGAATT TGTCCATAAA AGTATTTTTT
96101 TTTCTATTTA TTTTTAACCT GATCATCAAG TTCCTTGGCT TCTATGGGTG
96151 TACAGTTTGA ATTTTTGTTG TTGTTGTTTT ATTTTGTTTT GGGGTGTTTG
96201 GCTAGGAAGA ACTAACTATA GGATGTTTGT CAGGGACATG TTCCTTGGGA
96251 AATTTATCTC ACTGCTCTGT GCTTGTTTGA CAGCTGTTCT TGCACTTCTG
96301 ACTTTAATTC AAAAAGTTAT AAAGCCATAT GTGAGCAGCT GTTCACTGTT
96351 TTCATTAGGG CAAAATAAGA TCGGATGCAA ATATTATCAG GAATGATTTA
96401 GGTTATATTG TAAAAATAAT TTAGACTATA TTGTAGGAAT AATTTTACGG
96451 TAGTTATGAT ATATTGTAAG TTATTAAAAA GAAGGTTCTA GAATTAAAAA
96501 CAATTTTAAG CATAAAGTAC TATTTGTTGA AAGATGAGAG GTGTTGAAAG .
96551 ATGATATACT GTCTGAAGGT AGGATAGTGA AACAGCTAGC TTTTGAATTC
96601 CTCTTCTAGT TCTAGGATTT TATGATTTCA TGGTAGTGTT TATCCTTCTC
96651 TACAGACTAA CTTTTCCCAT GACTTCCTAT GCTTTAGAAC TCTTCTGTGT
96701 AATAATAAGC TTTTTTTTTT TGAGACAGAG TCTCGCTGTG TCACCCAGGC
96751 TAGAGTGTAG TGGCATGCTC TTGGCTCACT GCAACCTCTG CCTCCCAGGT
96801 TCAAGCGAGT CTCCTGCCTC AGCCTCTTGA GTAGCTGGGA TTACTGGCAT
96851 GCACCACCAC GCCCAGCTAA TTTTTTTTTT TTTTTGTATT TTTAGTAGAG
96901 ATGGGGTTTC ACCATGTTGG CCAGGCTTTT TAAGCTGATT CATATTTATT
96951 TGTGAATTAT TATCATAGCC ATAGAAAGAG TTATCATTTT TTTGGCTTTC
97001 AGGTACTAAA ATCAAAATGC AAAATTGGTT TGCCTTTAGT TTAAAGTGAT
97051 CAGAACAAAA AAAATTAAG ATAATTTAAT GGCTTATCTT TTTCAGTAGT
97101 CCTCCAGAAT ATAAACTTTA TAATCATCTC TCAGACATTT AAATAAAGTA
97151 TCTAGTATTT ATTAAATATT TACCACATGC CAGGCAAAGT ACAATTAATT
97201 TAACATATGC TCTCCTGTTT AATTCTCACA GTGATCCTGA GACCTTAGGG
97251 TTTATTATCC CCATATTATA GAAGAGGAAA AAGTTTAGAG AGTTGAAGTA
97301 AATTACCCAA AGTCACATAG TAAGTACTGG GTCTGAGATT TGAACCCAAG
97351 ACCATTTTTT TTTTTTACCA AGTTCTAAAT TTTAGAAGAT ATTTACTATA
97401 TCAAAAAAGT ATGAAGTTAA AAAGAATCAG AATGTAAAAT TGTGAATATG
97451 TTAAACCATA CATACACATG CACACATGTG TGTTTGCATT TGGAGAGGCT
97501 AGAAGGTCCT ACACCAAAAT ATTAACAAGG ATTACTTTTA GGTATTGGCA
97551 TACAGATAAT TCTTACATCC TTCTTTATAA TTTCTTGTAG GCTATACTTC
97601 TTATATCTGC TATTCTCATA ATCAACAAGG TGGGAATTGC TGCTATTTTT
97651 ATATTCTAAA AACTTGACAT CTTACATGTA TGCAATTTTC AAATCTGTCT
97701 TCACTGTCTT ATTTGAGAAT TATAAAGCTG TTTTTCAGTA GCTTTTGTAT
97751 TAATTTGTGT AAAGACAGAT ATTTTATATA TTTAGAGACT CTCTTTTAGG
97801 ATACTTTTCT TATTTCTCTT TCTAGATTTC AGATTTTTTG GACATTATTG
97851 CACTCATCTT TGTGCCCCTA CAGTCTCTAG GACAAATCCT GCACATAGAA
97901 GACATTTCTT AAAATTGATT GAATTTATTT CAGTAGTAAA TTTTAGCCAC
97951 AGTACAATAG TTGGAAAGAA TAAACGAATT ACAGTTGTAA TAATAAAGGA
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FIGURE 3BB

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98001 AACTTAGGTT AAGAAAATTT CCTAGATTTG TTAATCAGTC ATTTCTCTAA
98051 CTTTGTCACC TAGTTCTACT AGGTGAATGG GTGGTTCCCT GACAACGTTG
98101 GGCACCCATC AAGGCTTTTT TTGTTTAGTT TTGTTTTTGT TTTTGGCTGA
98151 ACCTTTTAAC TCCCCATCTG CGTCATGCTT TTCTTTTTTT CTTGACCACA
98201 GCTTCTAGGA TCTTAGTCTG CTTCCTTGTC CTCATGCTTT TATATATACA
98251 TACAAACACA AACACACACA CACACATGCA CACAGACACA CACACGAGTA
98301 TGTCAAATGA TAAAAGTAAT GCAGTTTCAC TGTAGAAAAT TTTCGTAATA
98351 CCAAAAATTA TTATGGATAA TATAGAAATT GCTTGTATTC CTATCACTTT
98401 AAAAATAACA ATTTTTGAAA ATACATATAT GTGTATGTGG TTTTTTTTTT
98451 TTTTCTGAGA CGGACTTTCA CTCTTGGCGT TCAGGCTGGA GTTCAATGGC
98501 GCGATCTCGG CTCAGTGTAA CCTCCGCCTC CCTGGTTCAA GTGATTCCCT
98551 TGCCTCAGCC TCCCGAGTAG CGGAGTTTCC AGGTGCCGGC CACTATGCCT
98601 GGCTAATTTT TGTATTTTTA GTAGAGGCGG GGTTTCACCA CGTTGGCCAG
98651 GCTGGTCTTG AACTCCTGAC CTGTGTGTGT GTTTTAATTG GGATTATAAT
98701 GTATTAAAAT CTTTATATTC TGCTTTTTTA TTACATAAAT TTTCAGAAAA
98751 TATAAAATAT CTTCTAAAAT TTATTTAATT TCTATATGAT TGTCCATTCT
98801 TTAAGTATTC TATAATTCAT TTAATAGTTG TTTGATGTTT AGCATTGAGG
98851 TTGTTTCTAG GTTATTTTCT GTCATACAGA GTGTTGTGCC ATGAATCTTT
98901 GAAGAAGAAA TCTTTTTGTA TTTCCTGAAC TGTTTTGGGA GGATAGTCTA
98951 GGAAGTAATA TTACTAGGTA AAATGTATGA ACTTCTAAAA TATGTTGCCA
99001 AGTACATTTA ATAAACATTA CGATTTTTTT CTTCTACCAG TGTGTGACAG
99051 TGTTGACTCA TTGTCTATCA CTGGCCTTGA GAAGTCCATA TTTTACTCTT
99101 CGCTAATTTT ATAAGCTGAA AACAGCTTTT CACTATTTTA ATTTGGATGT
99151 TTTGGCTTTG ATTAGTAGAG AGTTGAGCTT TTTACCCCCA TAGTTTGATT
99201 TTGCATTTCT TTTTTGTATC ATCCATTTCC TCTTATTTTC CATACTTGTA
99251 ACGGTACCTT TCCCAAGCTA GTTATTTAAG CTTTTTTTAA AAAAAAATTT
99301 TAATGATTTT TGAAATGGAC TCTTTGAGCT TTTTTTTTTT CTTTTTTTAC
99351 CTTTTTCCCTT TTTAAGATTT TTATTCTTAC CTATTAGGAA GACAACAAGG
99401 TATATCTAAT TACATGACAA ACAGTCTTCA CCAAGAAGCC AGAATCTTAA
99451 ATTTATAGCT CACTGTTGCC ATCTGAGATA TAAATAGAAC TTCAGTTACT
99501 GTGTGTTGCT TTCCATTAAG TCTACTTCCT TGCTCTTCTT AAACCCCACT
99551 ACTCCTTCTT TAATGATAGC CCTTCTACGA ACACATGGAT CTTAATAGAC
99601 TATAAGAATC ACTTGATTGA TGTGTTTCAT TTACATTTTA GAGAACTTCC
99651 ATAATAAATA AAAGCTCTCT CAGTGTGTCT CACAGAGAGA TTATCCCACA
99701 AAGAAATGTT CCTCTTTGAG CATTTTCTTA TATTTCTTCC TGTCTTCAAA
99751 ATAAGTCAGA TCATTTAATT TATTTTAATC TTTTCTGTTA AATGCCAGTA
99801 GTACAAAGTC TCCATATAGT CAGCAGTCCT AAACAGCCCA GGAGAGGGGA
99851 CCTCTATAAT AATGGAATGC CAGTAACCAA AACAGCATGG TACTGGTACC
99901 AAAACAGAGA TNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
99951 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
100001 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
100051 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
100101 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
100151 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
100201 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
100251 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
100301 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
100351 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
100401 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
100451 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
100501 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
100551 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
100601 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
100651 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
100701 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
100751 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
100801 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
100851 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
100901 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
100951 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
101001 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
101051 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
101101 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
101151 NNNNNNNNNN NNNNNNNNNN NNNACGAGAA AGAACTCTCT CCACCAGTTA
101201 GTAATGAAAT GCAGAAGTGA AACTGAGTAT CCTATACCTA TAATATTTCC
101251 TTCTAACTCT TTCTTTGCCA TTGTCACTAG GAGAGTTGGC ATGCAAAAAC
101301 ATCTTGAGAG TTGCACATTT TAATAAATTA TTTACCTTTT CCACACAGGC
101351 CTTGATAGTC ATATAAATTC AGTCTTGCTC AGAGTTGTCC AATCTTCTGG
101401 CTTCTCTTGT CCACATTGGA AGAATTATCG TCTCGGGCCA CACATAAAAT
101451 ATACTAACAC GGGCTCCGAG CAAGATGGCA GCCTCCGAGC CGGTTAGGCT
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FIGURE 3CC

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101501  ACAGCTTCAA  TATGATTACC  CACTGCCAGC  TACCCTGCAC  TGTACGGCCT
101551  TCCTGGCTTC  TGGTTGACTT  GAACAGGCGC  CGAGTTGTCA  CAGATCTCAT
101601  TAGTCTCATC  CGCCAGCGAT  TTGGCTTCCG  TTCTGGGGGC  CCTCCGAGGC
101651  CTCTACCTGG  AGCAGGGGTT  CCTGCCCCCC  ACCGAGAGCG  CATGCCTGAT
101701  GAGAGACAAT  GACTGCCTCA  GAGTTAAATT  AGAAGAGAGA  GGAGTTGCTG
101751  AGAATTCTGT  AGTCATCAGT  AATGGTGACA  GTACTCATTT  ATCACTTAGA
101801  AAAGCAATGA  AGTGGGCATT  TAAGTTAGAG  GAGGATGAAG  AAACTAACCC
101851  AGATTACAAC  TATTCAAAGA  AGCATTGGAA  GAAGCAAGAG  TACAATAACA
101901  ATAATGAGAA  GGTCTTGGAT  CTAGAACGAA  AAGCGGTCAC  AGATCAGACT
101951  ATAAGCAAAA  AAAAAAAAAA  AGAAACAAAA  GAAAAATAA   AGCAACCTGT
102001  GGCACAACGG  GTGATGATAA  CGAACAGACC  CCCCAAAAAA  AATCACCAAA
102051  GAAAAAGGAG  AAATGTGAAT  ATGAAAAAAA  GGCCAGGAAT  CCCAAGTCAC
102101  CTAAAGTACA  GGCAGTAAAA  GACTGGGCCA  ATTAGAGATG  TAGTTCTCCA
102151  AAAGGCTCTG  CTAGAAACAG  CCTTGTTAAA  ACCAAAAGGA  AAGGTGGTGT
102201  AAGCGTTTGC  TCAAACGAGA  GTCCCAGTTC  CTCCTCGGAG  TCTGAGTCTT
102251  GTCATGAATC  AATCATGATG  GTCCCAGCAA  AGTCACTTTG  GAGGCCCAGAA
102301  ATTCCTCAGA  GAAATTACCA  ACTAAGTAAT  CAAAGGAAGG  ACCCTCTACC
102351  AAAAGTACAA  CTGCAGACAA  ACTGGCTACA  AAATCTGGCT  TTAGCCTTAA
102401  CCCCCAGCAA  GGGCAAGACC  TCTGGAACAT  CATCTTCTAG  TTCAGATTCT
102451  GGTTCAGAGT  CAGAGGTGAA  TGCTTGATGT  CATCGAGCAC  CCTGGAGTGT
102501  GCTGTGGATT  TCTAAAAGAC  AGTAGGCCTT  TTTGCAGGAA  GAGGTTGTCC
102551  AGGCCCTGGG  CTGTCATCAC  AGACTGCAGG  TGCTACTGGA  TGGAAGCGTT
102601  CTGGGTTAAA  TGGTGGCAGA  CAGGCTCCTG  GTCCTTCTCC  CAGTGTGTCT
102651  CTCCCCAGTT  TAGAAAGAGG  ATGGGGTAGA  GGAGAGAACC  TTTTTTCTTG
102701  GAAGGGAGCT  AGGGGACGGG  GAATGCGGGG  GAGAGGTCGA  GGACAAGGGC
102751  ATCCTGTTTC  CTGTGTTGTA  AATAGAAGCA  CTGACAACCA  GAGACAACAG
102801  CAATTAAATA  AAGTGGTAAC  AAATTCATCT  ACTGTTTTCC  AGAATCCGGT
102851  AGAGACACAC  TAGAAGGACT  GTATGGTCTG  TTACCGCTGT  TAAACAGCTGC
102901  CCCTCAAGTT  GGAGAAAAGA  TTGCATTTAA  TCTTTGGAAC  TAACATCCAG
102951  TTACACTCTT  CTGTTGTCTC  TGATTACAAG  GAAAAATATT  AAGCCACAAT
103001  CCAGAGACAC  AGCAAGTAGA  TACAGAAATT  CTTTCATCCT  TACCTGCCTT
103051  GAGAGAACCT  GGGAAATTTG  ATTTGGTTTA  TCACATTGAA  AATGGAACCG
103101  AGGTAGTGGA  GTATGCTGTG  ATGCAGGAGA  GCAAGATCAC  TGTATTTTGG
103151  GGAGAGTTGA  TTGATCCAAG  ACTGATTATT  GAATCTCCGA  TTAACACATC
103201  AAGTACAGAA  CCTGTCTGAA  TATGACCGCT  CCATCTTATA  GTTTATGAAT
103251  GTCTTGTTTG  TGAAAGTGAC  TATAACTTGA  ACTTTTTTTT  TTAAGAGGAT
103301  TTGAAAGTTG  TATGGGTTTT  TTTGTTATCT  TCACTTTACT  GCATAGGAAA
103351  CAATCTACCT  CATCATTTAA  AATGACATGG  GTGTCGGTTT  TGTAGACCTT
103401  TGGTTTTTTT  GTCAGGTTCA  ATTTCAGTTA  ACAAAATGTA  AAACATGACA
103451  TTCCCTGCAA  ACGTTGTTGT  ATACCAATAC  GTATGGTTTC  TTCTCTTTTT
103501  TAAAAGTTTT  TGACCATCAA  GCAGCAGTTG  TCAGTAGGAG  TTTATAATAC
103551  CAAGAATGTG  CTGCATATCT  TGTCTCATTA  AGTTTTAAGT  AACATTTAAA
103601  ACTATTAAAG  CATGTTACTT  GACCTAATTT  TATAGCATTT  GAGTTGTCCC
103651  ATTAAATGGA  GCATCTCGTA  AATTTCAAGT  ATTTTATACT  TGGCAATGGT
103701  TAAGAGTTAA  AAGGTAGTTG  GATTTGTCAC  AGACAATGAG  TTAAGGAATC
103751  CTTTCACGTT  TTTCCCAACT  TTAAAATTAA  GGATTCTCAG  GGCCCTGTGT
103801  AGAGCAGTAA  AAATAAGACC  TCGTGTATGT  GTATGTGTGT  GTGTGTGTGT
103851  GTGTGTATGT  GTGTCTGTCT  GTCTGTCTGG  AGGAGAATTG  ATTGGTGTTC
103901  CACTTGGGTG  AGAGGGTTGG  CTGTGAGCCT  CAGACCAGGA  AATGTGTCAT
103951  CTTGCCAAGC  ACCTGGCTGA  GTGTGCTGGA  GTGAGGATTT  GAACAGAAAC
104001  TTCCTTTTCT  GTTATTATTC  ACTACAAAGC  TTAAGTGGCC  AAATATATAC
104051  TGTGAAAATT  GGTTTCTTTT  AACAAAAGAT  CAGATCCCTC  CTTCAGCTGT
104101  ACACATTTTT  AAATAAAATC  ATATAGAACT  AAAAAAAAAT  ACTAACACGA
104151  ACGATAGGTG  ATGAGCTAAA  AAAAATTGCA  AAAAAATCTC  ATAATATTTT
104201  AACAGACTTT  ACCAATTTGT  GTTGGACTGA  AGGTTGGCCA  AGCTTGGTTT
104251  AGCTTAAGTT  ATATGGATTA  TTTGTACAAC  AGAATTGAGT  TGATTTCTGC
104301  GGTATTTTGA  AGAGTGAAAG  TGGTTTTTTA  AATTTGTACT  GTACTTATGT
104351  TATAAAGCAA  TATGAGTAAT  ATACTTTATG  TGTGAGACCT  TACGTGCTCT
104401  AAGAAATACT  TTTGTTAAGG  ATTTATATTT  ATGGTGGAGT  ATTCGTTACA
104451  ACATGGGGTC  TATACATACT  TGTAAAGAAA  TTAAGGATAG  AGAATGCATC
104501  ACTCAGACCC  CAATCTTTCC  ATTCATATAG  ATTGATTAGT  CATCACATAG
104551  TCCATATTTT  TCTACTATAT  TCAAGTCCCA  GTTGACACCT  TATGCATCAT
104601  ATTCCTTTAGT  TCCCAAACAT  GTTCCCTTAT  TTCTTTCCAT  GTAACTTTTA
104651  ATTACTCATT  TGTCCGAGTC  TGAATCCTGA  ATATTACCCT  TGATACCATT
104701  TTGTTTCACC  ACCCCTCTCC  AAATGTAGCT  TTAAGTTTTT  CCTGTTTCTT
104751  TTTCTACTCC  CAGAACCCAC  AATTATAGCT  CTGAAGTATC  CTTCCAGTGA
104801  GTTTTCAGTA  TCTGCATGTG  TTTACTCTAG  CTCAAGGTGT  GTTTTTTTTT
104851  CTGATATTTA  TGTCATTAAT  TGATCTCTCT  GATGAATCTT  GTCAGAGAAA
104901  TCTTCCAGAA  GGACATTTCA  GACCATATTG  CTTTCTAGAT  TAAAAAACTT
104951  CAAAGACTTC  CAAGAATGTA  CAAAGAATTC  TCTTGAATTC  CTTCCTCTGG
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FIGURE 3DD

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105001 TCTTCAGGGC CCTATGCTAT GACTTCAACT TTTCTTTATT TCCCTCCCTC
105051 AAATATTTTT TCTCTTTTCC TTTTTATACT TCTTTCCTTC TGAGCTTTCT
105101 GTCACTTTTT GGCCTGTACC TAGCCATTTC CCTGTTCTTG CATTTCCAAA
105151 TCTCATCTAT CCTTCGAGAG TTGGCTTTTA CGTTTGTCTT CCAGCTAGAA
105201 GTAGTCTTTT CTTCCTGGGA ACTCCCAATG GCCTTTTCAG TTTGTTATTG
105251 TACTTAGTAT CCTTTCTGTT GAACTGTGGT TGTTCATGGT TACTGGTTGT
105301 TATAGTTAGT TCTTTAACGC ATGGATTCCT GTCTCATTAT TCTATTTCTT
105351 GTGTACGTTT TCTGGTACAC GTATATTCTT AAGACATATA AAGAGCTGTC
105401 TTGTTCTGGG GGTATTTCTT AGTTGAGAAA AATAAAACCT TGGGGATACT
105451 TTATATGCTA AAGATAAAAA TGATTGTGTG TTCTATAAAG ATCTACAAAA
105501 ATATGCTTGG AAGTAGTTTT GCTAAAAAAC AGGTATAAGA AATTAGATAT
105551 ATAGATGAGA CCTTGGATGA CTTGACTCAA ACCACTTTCA GACAGATGAA
105601 ACGTAACTTC TAAATCTTTC TAGAAGGTTA GATTTTACGA TATGCTCAAT
105651 CATTTAAACA GTTATTTATA TGAGACTTAC AAGCAGAATT TTTTTTTTTT
105701 TTAGTATTTT TACAATATGC AGTTCACATT TTATGTACTC CTAATTTACT
105751 TCTTGTTATT CTTGGAATTT TTTAAAGGAT TTTCCTGATT CTTAAATGGT
105801 TCTATTCTTT TTTGCAGTTC TTCTGTTAAT GATATGTTTT TTATTTTTTT
105851 TTAGTTCTCT GTTTGTCCTG GCAAAACTTA TATTTGGAAA ATGTTCTATT
105901 TTTCAGGTAT CCTGGTCAGA TATAGGAGGA CTGGAAAGTA TCAAACTGAA
105951 GTTGGAACAG GCTGTGGAAT GGCCCTTAAA ACATCCAGAG TCTTTCATTC
106001 GAATGGGTAT TCAGCCACCT AAAGGAGTTC TTCTCTATGG GCCACCTGGG
106051 TGCTCTAAAA CAATGATAGC AAAGGCTTTG GCCAATGAGA GTGGACTGAA
106101 TTTTCTAGCT ATAAAGGTAG GATGTTAAAT TTTTTAATCG CTACTCTCTC
106151 TTGGCCTCCC CCAACCCCCA TTCTCTGACT CCTACCTTTA GGAGAACGAA
106201 TAAAGGCATC TTAAGGAGCA GTGATTCTTT TTTTTTTATT TGATGTTGAT
106251 GGCAATATAA TATAGGGAGA TGAGTGATAA GAAATAAATT CGTGCATGTA
106301 ATCAGCAAAT CATGGTAGAC ATTGGGAAGA CTGCTTTATT TAGTTTCTTG
106351 ATTCTGGTAT TTCTTATATC CATGTGTAAC AGAAGCTAAT CTTTTTTTTT
106401 GTTTGTTTCT ACATTTTTAA TTATAGACTT TTGCTTAACC AGGACTTAAA
106451 GATAAACATG ACAGTGAATT CAATATTTAC ATACCTAGAA TTTTCAAATG
106501 AACAAGACAC TTGTTATGGT ACACTAAATT CTTTAAAAAT ACTTTTCCAT
106551 TCAGAAAGTA TATGTGCATT GTTTTTATTC TGAACCACAC ACACATTTTA
106601 TTTGTTCATT GCTTCGCCCC GATTAACTGG GATAGATAAT CTTTCATGAT
106651 ATGTAGTTGT ACACTTACTT TAGGACCAGA TATTAATTTT ATGTAACATT
106701 ATGATATATC CAGATACTTA ATCCACACAT ATAAAACTGT AAATCCATTT
106751 CTGTGGACTG TATCACAAAA ATATATACCT AAATAGATTA ACTATCAATT
106801 CATTTCAGAA AAGGCACATG ATCATCTGTT TTGATATTAC CAGGGAATTT
106851 TTTACATAAC AGAATGCATT TTCTTTAGCG TGATCTTGGC TCACTGCAAG
106901 CTCCGCCTCC CAGGTTCATG CCATTCTCCT GCCTCAGCCT CCCGAGTAGC
106951 TGGGACTACA GGTGCCTGGC AAATTTTTTG TATTTTTAGT AGAGACAGGT
107001 TTCACTGTGG TCTTGATCTC CTGACCTCAT GATCCGCCTG CCTCGGCCTC
107051 CCAAAGTGCT GGGATTACAG GCGTGAGCGA CTGCGTCCGG CCCAGAATGC
107101 ATTTTCTGTC TTAGAACATT GAAATCATTG GCAGTTTGAA AGCACAAAAC
107151 TTCAGAGTAG TTTGTCAACT TTTGGCTTTA CTTAAGATTT TTATAGAATG
107201 ATACTTAGGT GTGATTAAGC TGTTTGTTCT TTAAGAATCA GTATCTTCAA
107251 CATATTTTTT ATTTTCTGGA AGATATTGGA GAGTAAAGAT GGGGGGAGGAG
107301 ACCATTTACA GCATGATCAC TTATGGGGAA TCACAACTAC AGTTTTAAAG
107351 GTTTCAGGTT TATTTGTTAT TTTTTTGAGA CATGGTCTCA CTCTGTGGCC
107401 TAGGCTGAAG TATAGTGGTG TGATTATAGC TCACTGTAAC CTCAAATTCC
107451 TGGGCTCAAG CTATTCTTCT GCCTCAGCCT CCTGAGCAGC TAGGACTACA
107501 GGTGTGAGCC ATCACACCAG CTAACTTTTT AACATTTTTG TAGAGACAGG
107551 GTCTCACTGT GTTGCCCAGG CTGGTCTCAA ACTCCTGGCC TCAAGCAGCC
107601 CTCCCACCTT ACCCTCCCAA AGTGCTGGGA TTATAGGAGT GAGCTGCCGC
107651 AACACAGCAA AGGTTGCGGT TTTAAGGGTT GAAGTAATGA GTGATTTTGT
107701 CACTTCCCAG GACAACTTGA TTTCTCCTTG GTCCTTGTCC TTTTATCATG
107751 TGGTAATGGG GATGGCTGTG TTTACTGGCA TTTTCTAGTC TTTTTACTCT
107801 CATCTCCATT TTTTCTGTTC TTACCTTGTA TATTCTACAA TTGTATATTC
107851 ATAGTATTAG AATTTTTCTT GTCTACTGGA AATCTAAAAT TTATTTAAGA
107901 ACCTGTGAGC GAAGTCCTCA TCAGATAAGT TTTCGACTTA ACTCTTAAGA
107951 GCACACTTAT TTTCTTACAA ACTAGTATCT TACTTTTTCT GTGATCCAAG
108001 GTAATAATTT TAGATACTAC TAAGACTGCT TTCTGGACTA TCCTAGAATT
108051 ACTTAGAAAT ATATTTATTA TCTTTTTTGA ACATAAACAT TTCATAACCT
108101 TAGACAATTT CATTTTTTAGT CTTTTTTTCA CTATGAGGAA ATTGTAAATG
108151 ATTCTTTTGAA AGGTTTAACT TTGTACACTG CTATATAAAA TAACCAGGCA
108201 CACATTCATT TATTTGAGCT TTTTTCATTAG ATTTTTAGGT CACAGACAGA
108251 AAAGCCACAT GATGTTAACA AATTATCTTC ATCAATTGAG TTCATAACTC
108301 AGAGATTATT ACATGTCCTA GTTACTAATT TTGATTTAGT GTGGATTTTT
108351 ATTCAGTTTA GAATTTAGTG TGGTTCGACA GTATTATTCA ATTTTTTGAAT
108401 CTGTATGGAG GGATATACTT AATGAATGAT GGGTTTTTAT TTTTCAAATT
108451 GAATATCCCT TATCAAAATG CTTTGGACCT GAAGTGTTTA GATTTTGAAT
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FIGURE 3EE

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108501 TTTTTTGCAT TTTGAAATAT TTGCATTATA CTTCCCAGTT GAGCATCCCT
108551 AATCTGAAAA TTTGGAATCT AAAATGCTAA AGTGGGCATT TTCTTTGAGT
108601 GTCATGTTGG AGCTCAAAAC GTTTTGAATT TTGGAGCATT TTGGATTTTT
108651 AGATTTAGGG ATACTCAACA TGTACTATTC GTTCAACTCT CCTATAGGTT
108701 TAAAATTTTT TTAAATACAA AGTTGGGAAT ATGAAAATAA TTTGTCTTCT
108751 ACTAGCATTT TCATTGGTCC TTTTATTTTC ATCTATTCAG TGTTTGTGAG
108801 GAAAGTTTTA AAGTAACAAT ACCATACAGC TTATGTATGA GAAAATGGAG
108851 CCAAAGAAGT TGGGAATTCA TACTCTGTTC TCTTTTTTTT TGAGACAGAG
108901 TCTTGTTCTA TCGCCCAGGC TGGAGTGCAG TGGCACGATC TCAGCTCACC
108951 GCAGTTCCCA CCTCCCAGGT TCAAGAGATT CTTGTGCCTC AGCCTCCCGA
109001 GTAGCTGGGA TAACAGGCAA GCACCCCAAC GCCCAGCTAA TTTTTTGTAT
109051 TTTTAGTAGA GACAGGGTTT CACCATGTTG CCCAGGCTGG TCTCGAACTC
109101 CTGAGCTCAG GCAATTTGCC CGCCTCACCC TCCCAAAGTG CTAGGATTAC
109151 AGGCGTGAGT CACTGCACCT GGTCCTGTTC TGTTTAATTT TAACTTCCTG
109201 TTTAAAAAAC TTGGCAACTT TTGTTCAACC CAAATGTTTG GTTTCAACCT
109251 ATATATTTGT TTTCTACAAG CTTTAAGTGT TAAAAGTTAG TTTGAAATTT
109301 TGAAATAACA AATCTTACAC ATTTTGAAAG TGATCAGAAA AAGTAGACAT
109351 ACACTAGAAT TCTCTAGCCA GTTAGGAAAC ACAAGTATTT TAAACAGATT
109401 GAAAGGAAAA ACTCCCTATC ACTTTTCACA ATGGTAGTTA CTACTTTTAA
109451 TCTTCAAGAT ATTTTGATAG ACTTACACTT CTTCCTCTAA GTTTATGAAA
109501 GAACCTTTTA GCTTCCTCTA TGCATCTTTT CTGAACAGGG ATTAAAAGAT
109551 ACGTACTGTA CTCAGGGTGG AGACTTCAGC TTGGCTTGTG TGAGCTCTTA
109601 ATGCCCTCTG GCATATATAT GTGTTTTTGT GTAGATTGTG ACATTTGACA
109651 TACTGTGTAA GTTTAGTTTG TTATCTGGGC CAGTTACGTA AAATACTTTC
109701 CAGTTGAAAT TTCCTTTCTG CTTCTCTCTT GCTTTTGTCT GGAGTGCTAC
109751 AATAGATTAA TTGCCCTGGG ATAGCTGCAT TGCTTTACTA TATGAAGAAC
109801 TGTCACTAAT TCTGCAAGAA ATGTGGTTAG GTCTTTGACA GGGATTTTCA
109851 GCAAATAATT ATTCTGGTAA ATACAGGAAT GTAATGAGCT TAGTATATCC
109901 TTGACTTTTT GGGAAATTTT CTTCTCTATA CTTGTCTCAG AGAGGAATTG
109951 TATAAAATAG ATTTCATTTC CAGAAAAACC TGTGGTTTAT TCAAAGTAGT
110001 GCACAATTCA GAGTACAGGT GCTCCCCAAT TTAAGATGGA TTTACTTAAG
110051 TTTTCGACTT TACAATGGTG TGAAAGTGAT ATGCACTCTG TGGAAATTAT
110101 ACTTCGAATT TTAATCCTTT TTTTTTTCCT CTGAGACGAA GTCTCACTCT
110151 GTCGCCCAGG CTGGAATGCA GTGGCGCGAT CTCGGCTCAC TGCAACCTCT
110201 GCCTCCCGGG TTCAAGCAAT TCTCTGCCTC AGCCTCCCAA GTATCTGGGG
110251 TTACAGGCTC CCAAGTATCT GGGGTTACAG GCATCCACGA CTATGCCCGA
110301 CTAATTTTTG TATTTTTTAGT AGAGACGGGG TTTCACCATG TAGGCCAGGC
110351 TGGTGTCGGA CTCCCGACCT TGTGATCCAC CCGCCTTGGC CTCCCAAAGT
110401 GCTGGGATTA CAGGTATAAG CCACCACGCC AGGCCCAAAT TTTAATCTTT
110451 TACTGAGCTA GTGATATGCA GTACAGTACT CCCTCATGAT GCCTGGCAGT
110501 AACAGTGAGC CACAGCTCCT GGTCAGCCAT TGTGATCATG AGTGTACACA
110551 GCCAACATTC TAGAATGTAC TGTGTTGCCA CGTCACTTTT TCCAACTGTA
110601 GGCCAGTGTA AGCATTCTGA GCATGTTTAA GGTGGGCTGA TCTAAAATAT
110651 GATGTTCAGT AGGTTAGGAG TATTCAATGC TTTATGACTT AGGATATTTT
110701 CAATTTTTGA TGAGTTTATC AGGACATAAC CCCCTTGTAA ATCAAGGAGC
110751 ATCTGTAATT ACTATTTGTC ATTTAACTAG ATATATTTAT ATTCTCTTAT
110801 CAAAGGTACA AGATAATCTG AAATTTAAAA ATTCCAAATT CATCTTTAGG
110851 CTTCTGTTTT TTAATTTTTG CATGGGAAGC TGCATAGCTC TTTTAATTAC
110901 AGAATGCTTT AAGATTACAA ATAAGGATAA TGATTTTAAG AAGGTTAAGT
110951 GACTTTTCGA AGGTCTAAGT GGTAGTGATG GCACTGAAAT TTAGTCTCAG
111001 AACTTTCTGA CTCAAGAGTC TGAGCTCTTA ACCACTGTAT TATATATATG
111051 CTCTTCCATT TCCCTTTTTG TTTTTTTTAA AAAAATAGAA CTAGTGTCCA
111101 ATGGCTTTTT TCATTAATTA CACAAAGTTA CCAGGGAAGA TAGTTTAAGT
111151 AGTTTCTGTA GGGTAGGTTT AGAGAAGTGG AAAGATGTTT CTGGGAACTG
111201 GTTTGAAAAA TAATTTTGTT TCTCTAGGAC AAAGAAAACA GAAAAATAAC
111251 ATGGCTTTGG TCTAGGAGTA AAAGTTAATA GGAAAGGGCA ATCACAGCCA
111301 AAGATACAGG AAACTGTTCA ATGAAATAGA AGTGCCTGGA AAAAGACTGA
111351 TGGTGGGATA ATGGGGAGCT TAAAATTTAC CTGTTAGTAT ATAATTTGTG
111401 CCCTTGATAT TGAGTATGTC ACGATGAAAA GAACACTAAG CTGGGATTCA
111451 CATTGCTTGG ATTTACTTCC TAACCTTAGC ACTTTTTAGT TTTGCAGCCT
111501 TAAGCAAGTT CTGTAAGTCT CATTTTTTTC ATCCAGAAAA GTATAACATT
111551 TGTACATTAT AAGCTTTGGG GAGCATTATG CTTAAAAAGG CAAATGAAAA
111601 AGTTTTTGGG GGGCATAACT CCCCACTCCT TGAGTGTGGG CTTCTTTCCA
111651 AAGAATTTAA TATCAAAAGA GGGGAGGGGA AGAGCTACTG TACAATGGTG
111701 AAACCTGACA AGCCGTGCCA CAGCCAGATG ATCAAGGTTA ACATCTTCAG
111751 TGATAAGTCA TGTTGACAGT ACAGTTGATG CTTTGAACAA CACATTTTTT
111801 TAATACATTT TTTTTTCAGT ATAGTTGCCC TTCCTTATTG TAGGTTCCAC
111851 AACCAAACAC AGATTGAAAA TATAATATTT GTGGTATATG GAAACTCCCA
111901 AATAAGGAGG GCTAACTATG TGTCCTCAGA TTCCACAGGC TGACTACAGG
111951 ACTTGAGTAT GTGTGCATTT TGGTATTCAC AGTGGTCCTG GAACCAGTTC
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FIGURE 3FF

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112001 CCGTAGATAA CTGATAAATG ACTATATATA CCCTTGGATA ATGTGGTGAT
112051 AATAGCACTT TACTTCTGTT GTNNNNNNNN NNNNNNNNNN NNCCTGAGTG
112101 CTCATAACCC CTCTCCAACC ATGAGAAAAA TTTTAGGCAA ACCCACGTTA
112151 AAAGACATTC TGTAAAATCA CTGACTAGTA CTCCTCAAAA CTGTGAAGGT
112201 TATCAAAAAC AAGGAAAGTT TGAGAAACTG TCACCACCAA GACAGTACCC
112251 AAGAAAGCAT GATAGCTAAA TGTAATGTTA CAATATCCTG TGTAGGATGC
112301 TGGAATGAAA AAAAAAAAAA AAGGACATTA GGGAAAAATT AAGGAAATCT
112351 GAATAACTAT GGTCTTTAGT TTAATAATAA TATCTCAATC TGGGTTCACT
112401 GATTGTAACA AATATACCAT GCTAATATGA GATAGTAATA ATAAGGGCAA
112451 CAGTGTACAT GGGTGGGTGG GCATATGCGA GCTGTTTGTA CTATCTGCTC
112501 AATTCTTCTG TAAATCTTAA ACTTTGCTAA AAAATAAAAT ATATTTAAAT
112551 AAATTTTGAG GTCAGTATAA TAGATCTGGG CATATTGTAG ATGAAGTAAT
112601 TGAAGTTTAA AAGGCTAACT CTGAGTTCTG TACTGCAGTG AACAGGATGC
112651 ATGGAGTAAG GCAAAGAAGA GTCATGAAGA AGATTGTGGA TTTCATGGGT
112701 GAGGGCTTTG ATGACCTCTC CTATTCATAG TCCCCCTGCC CATAATGATA
112751 GTGGAAAGTT ACTGGGAAAA GCCCTGAGAG GAACTTGGCT GGGGAACCTG
112801 GGTTTGGGGC TGCCCTGAAC TTGCCTGTTT CACTGCACTT CTCAGTTGAA
112851 GCCTATAAAG GTGTGTGTTA GTTCTGGCCC CAAACCCAGA CCCCAACACT
112901 ATAAAGAACT CTTTCTCTTA GTGTTTTGGT TATTTTTTCT TTCACCTTGG
112951 GTGCAGCTTC CAGTTTAGTC TCACCAGGAA CTATGTCATT TCATGCCTTT
113001 TGTGGATCCT AAGTCTGTAT TCTCCTTCTA TAGGTTTATT ACTGTTTGGG
113051 CTCATCTAGA GTCTGAAACC TTTTGAGTTT CTATTTAATT TCCTTTAGAG
113101 TTTTGTTTTT TTTTAACTTT AAAAATTCCC TTGACTTCAG CAAATAGTGT
113151 TGTATTATGT GCCTTATTTG CTTAAATCGG CAGTTATTAA CATCAATATT
113201 AAACAAAGAC ATATACTTAG TTTTATCCCT GTTTGAATGA CTATTAGGGA
113251 ATAACTAATA GTAACCTGTT ATTCTTGGGA CAAGTGGAAT AGTTATTGTG
113301 CCATTGTCAG TTTTACAAGG TTATGAAGAA GTTAGATCAG ATTTACTTAC
113351 ATTTGTCATT ATTTGTACAG TATACTATGT TAAAGTTGTG GCATCATATG
113401 TTAAGACTAT ATATATGTTA TTTTTTTTGA GTTGGGCTTT TATCAGTTGA
113451 TAAAGCTGAT ATATAAAAAA AAGTCTTGAT GTGAAAATAT TCCATAAATA
113501 ACATTTATCT AAAAGCAGAA AATGACAATA AGAACTATAA CAAAACCTTT
113551 AGCATTTGGA ATCTAAGAAG ACCTAGAGAG ATTTAGAAAA AGAAGGATAA
113601 TTTTATAAGG AATTTTATAA GAAAAAGGAT AATTTTAAAC TTATAAGAAG
113651 TTTAAAAATA AGCACATTTT ATTGTTGGGT TTAATTTTTT ATTCATGGAT
113701 AAATTAGCTG ATGTAGAGAG ACTAGTTTTT TCTTTCTATC TCAATTCCTT
113751 TTTGAATGAA ATTTAGAGGT GAAATAAATA TTACAATGTC ATGTCTGTAA
113801 TACTTTTAAA AATATTTGTA AAAGTTTTAC AATTGGAATA GCAAAAATAA
113851 CACCTTCTGT GTGTCAGGCA CTGTGCATAG TAAACAAAGA TATATTAGAT
113901 GGGCTCCTCG TTATGTATCA ACTCATTATT TAGTGGGAGA GATATTTGAC
113951 TCAACAACTA ACATGAAGAA ACAGTTAACA GAATCTGCAG CTCTTGGTTG
114001 TTGATTGTAT GTGAGAAATG AGAAAGAAAA GCAGTCAAAG GTGATAAAAA
114051 TTTTTACTGT CAATGACTGG CAGATGGAAG TATCCTAACT CCAGGGAGAA
114101 AAGGAGAAAC AGGTTGGAGG TGAGAGAGAA AATACCAGTG TTGAGTTTGA
114151 AAAGCCTTTG GGACAAAATG TTGAATATGT CCTAAAGGCA GTTGGATATA
114201 TGGATTTGTA GCTCAAGAGG ATGATTATTT CGAGAGATGA AAATATGGAA
114251 ATTGAGATGA AAATGTGGAA ATTGGAAATC AGTGTTTGAG ATTCTGCAGA
114301 CAAGTCAGCA AAGGAGACTG AGAGTGACAA AAGTAGTCAT TAATAGCAGA
114351 AGGGGATTTC ATGGGCATGT AAATATGTGT AAATACACAT TTTACAACTT
114401 GCCTAATTGT AGCCAGCATG GTCCCTGCAA TGTAAGTTCT GAAGAAATGT
114451 GTCATTTTTC TTTTTCCTGA ATAGAATGAA TGAATTTGGG GAAGGATTGT
114501 ATTATACTTT TTGAGAGGAA CAGCTCGAAT TCTGTTCTCT TCCCTGCCAG
114551 CCCCTCTTGC ATTTCAGGGT TTTTACTTGC CCACAGCATT CTTGCCTAGT
114601 AATTAAAACC TATTTTCAAA CTCTTTGAAG TGCTTTCCCA GAATGGCCTT
114651 CTGTATGTGC TGATACTGTA CTTTTTATTA ATTTTCAAGT TCCTTTACTC
114701 ACATTACATA TATGTAATTC TATCTTATGT GAGTTTGGAT TTTTATGAGC
114751 ATATTCCATA ACATTTAACC ATAGTTAACA CTTAGGTTAA CGTGCCTTCC
114801 CCAGACACTT TAGAACTTAT AAAAACTTCA TTTGAATTGT AATAACTAAA
114851 AGCACCAGGC AGGTGTCAGA CACATTTAAA AAGCCCTTGG GAGGACTGAA
114901 AAAAACCCAG TAGTGATTAA AGGGGCAAAA TTGTAAGAAC ATGAGGTGTA
114951 AATGTTATAC TCGAGTTTGT GACTGATATG ATGTAAAATA ATGAAGCACA
115001 GTAAAAAGAT AAGTCAGGTT TACTTCTCAC TAGATTAATA GAACAGCTGG
115051 ACAAATATTT TCACATGTGT TTATGATATT TTTGTTATTT TGTAAACTTG
115101 GATACTTGAA ATATTGGCCA TGGAATGTTA AAAATAATGC TATTAAAAAT
115151 AACTCAATTA ATGGTACTTA TTAATGGCAG TTTTTCTTGA TCATTCTTAT
115201 CAGTAAAGCA CATGCTATCT AGGAGGTAAA ATATGTGGCA AGACTAACAT
115251 ACATTCTTAA AAGTAACATA ACTTATGAGC AAATACGGGA CTGAGACTAT
115301 ACTATATATA CCTAAACTCT GTAGTTAGAT ATAAATGGTC TCTTGTTTAT
115351 AACGGGTACT AATAAAATTC TTATTTTCAA ATTAGCCTAT GCTACTATCT
115401 ATTAAGAAAG AATTATACTT CACCTTTGCC ACTCGATCTG CTCACCAGAA
115451 ATACATTTGA ATTTGAATTG CTGGTACTGT GTAAAATCTT GTTTTTAAATT
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FIGURE 3GG

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115501 TAAAAAATTA TTTTTAGCAG CCAGCTTTGT CTAGCCCCAA ATTAACTTTC
115551 ATCTAAAATC TTAACGGGAC ATTTCATTTC TCTTTTAAGG ACTTAGAACA
115601 GGACATCATA ATTCTTAGAA AGAGTGCTGG TTTGGAAACC ACAATTCTGC
115651 ATTCTTATCA TTTCTGCCAT TTAACTAGCT CTAGGACTTT TGGCATATTA
115701 CTCAGCCTCT TTGTACTTTG CCTCAGTTTT AGGTGAGTAG GTTAGACTAA
115751 GTGACTCCTA AAGCCCTTCT GCTAATAACA TTCTATGAGT AGGTCACAGT
115801 ACTTGTACTT TAATCTGTTG CATATCTTTT GTGCCAATGG TGGCCAAATA
115851 TTTGGGGCAG TTTCTCTAAC TGTCAAGTGT AATAGTTAAA AGACTTGTAT
115901 CCCAGTTCTG CCATTTGCTA AGCTGTGTGA CTTTGGACAA ATTACTTCAC
115951 CTCTTTGCAC TTAATATTTT TTTCTGTAAA ATTGTAGTAA CAGTGTACAA
116001 CTCAGAAGAC TGTTGCAAGC AGTAAAAGGG ATAAGACATA GTAAGCATAT
116051 AGAAAGATTC CACAAAATTA GTACATGCTG ATTGCTGCTC TCTTCCATTT
116101 TTAAGAAATT GATGTATGTT TGACCTCAAA TGGAGCAAAA ATATGACATC
116151 ACAGCTTATG ATTCCTTAAG TTTTCTGTTA GTAGTAAAGT GTAATATTTA
116201 TCTTTGAAAC TGAATATAGA CTTTTAAACT CTTTGTACCA AAATACAGTG
116251 ATTTTTGGCA ACTTAAACTT CAAGCTTAAA ATAACCTCCC TTGGTAATGA
116301 AATTGCTGTG ACTTCTCATA AAACTCGAGA CCAACGCAAC ATACGAGTTC
116351 AGCTACTTGG GTTGCATTTT GCAGGCCATC TAGGTAAGAT TCATCAGTAC
116401 ATAGTCCTGT ACAAAGTCAT ATTTTCTAGG GACCCTGCAG TCTTTTCATT
116451 ATGCCTTATT AGTAACACTT GACTTGAATT ATTCCAATGC GTATTTTCTT
116501 CACAGTGCCA GATTTTCAAG TTAGAGTTTC AAATGTCTTA ATTTTTTTTC
116551 TTTCTGTTTT GTTTGTTTT GGAGGAAGAA GCATTGTTTC ATTCTTATCC
116601 ACAGGTCCTG TAGTCCACCT TTCTGTGGCA GTGGAGTGAC CCTTCAATTG
116651 GTTGAGGCTT TATACTATAT TTTCACATTT TCAAACAAAG TATCAAGAAT
116701 GTTACCTGT ATGTTGGATA TTTATTAATA AACCATATTA ATCTTTCTAT
116751 TGATACCAAG ATATTGACAT TGTACTTAGC AGAGAAAAAA ATCATGAAAT
116801 GACCATAATC TTGTACTTTC TAACATTAAT GCCTAGGTTA TCTTCATCAT
116851 CTACAGAGAA CAATGACCAT TTTTCCAGGT TCTCTAATCT CTTTCCTTCA
116901 GTTAAGCCAG ATAATTAAAA AGCAGTATAT ATACATTCAG TTACATTGCC
116951 TGAATAAAGA AATCTCTTCA CTGGATTATT ATTTTATGCC ATATCCTTGG
117001 CTTTTGCAGA CAATTGCTGT AAGAACAACA GCAATAATGT AGAGTTGGCA
117051 TGATGGTAAT TGCAATAAAA ACAGTGACCC CAGCAATTTC CTTTCTGATT
117101 ATTGTCAGGC CACAGTTTGC CTAGGTAGTT GCTCTAAACT GAATAAAATC
117151 TGCATACAAA TTTCTTACCA CCCCTAACCC CTCAACAAAA ACACACTCTG
117201 CTGTTTATCT AAAGCTTGTT TTATTGGGTG GGCCCTGATC CTTGTTTTAG
117251 TGTTCACTTT CTTAATTCCT TGTCCACAGT CCCCCTTGTG TAAAACTTAA
117301 TTTACCACAT GTAAATGAAA AGTACTACAT TTGTTTATTT GACTTTATAT
117351 TATGTTATGA ATAGGCATTT CTTGCTTTGT ACTACAATCG TTTTTACAGC
117401 CCTATACTAC AGGCATTTCT TGCTTTGCAG TCTAGTACAA AGCAAGTATA
117451 GGGCTGTAGT ATAGGGCTGT AAAAATGATT GTGCAAGGTG AAATTATGCA
117501 GAATGATCTT AATCAGTGGG AAAAATTACA AGTGTTACAT AACTTTTAAA
117551 CATTTTGTCA AAACATTAAG AACGTTCATT CTTGGTTATA AATGTTGAGG
117601 CAGTGCATTT TGGCTGTATA ACAGATCCCT TGCTAGTTTC CCTACCTCTT
117651 AACTTATTTC TTTGACTAGC CCTTCATTCA CACACTGACA GCCTAGTACT
117701 CCATTTTATG AGGACACAAC AATTTATTTA CTCATTTTTA TGTTAATGAA
117751 TTTTTAAGAC GCTTCCACCT TTTATTTTA AAACAGTGCT
117801 CAGTAATATT CTTATTCATT TTCTTTTGTA TATTGGTAAG AGTTTCTGTA
117851 GGGTATACGT ATCTAGAAGA AGTTGTTATT GTTATTGGAC ATGTACGCTT
117901 CAACATTACT AGATAGTTTG AAATTGCTTT TTTTGTGTGT CATTAATTTT
117951 TTTTGCTTAA TTTGTATCAA TCAATTTTTT AAATATTTTG AAGATTGTTC
118001 ACTCCTTAGC AATTATGTCA TTGACATTTT TGATGACTTT TGATCTTATA
118051 GACAAAAGTG AACTCTTTCA AATTATATGA GATTAATCTA CATCAGAGGT
118101 CATAGTCTTT AGACATAATC TGGCCTGCAG TGTATTTTGG TCCAGCTCCC
118151 TAGCTAAGAA TGAATTTTTC ATTTTTAAAG GGATATTAAC AAGAAGAATA
118201 TGTGACAAAG ACTTTATGTG GCATATACAG CCCAAAATAT TTACTCTCTG
118251 GCTCTTTATA TTTCGTCTTT TTAGATCCCA CAATACGTGG AAAACTGCCT
118301 TCAAGTTTAT TTACCTCAGT GACGGCTGTG GGTGTAAACA TTGTGTCGCT
118351 GTTACATAGT CTAACCTGTA TCTAAAAATA AGCTTGTAAA ATTGATTTGG
118401 TATTGTTTCT TTTTCTTCAA AATCCTTAGA AGTATGAGAA CATTTTGCCT
118451 CAGCATAATT AATGTTTCAT TGTTTGTCTT TTTTTAAGTT AAATCTGTTT
118501 GGTAGTTGCA TTATTTAAAA AATTGAGATA TGGAAGTATT GGTGATTAAA
118551 TTGTAATTAT GAAGTCACTC TGTAGTATCT TAAGCTTAAC AATAATTTTA
118601 TTGTGGAAAC ATGATTGCTT ACAGTTTAAG TACCAATGTA CAAATAATTG
118651 ATATACTAAT TATAAATAAT TACTCATCCA AAACACTGTG CCAAGCAAAT
118701 CCTTGTTTAC TTATGGATAC ATAATCACTT TGTCTATTTG TGTATTCTGT
118751 GGTTTGTAGA TTTCAGTCAG TGATGTAATG ATATTATCTG TCTTAAATGA
118801 AAGATAATAT TTTTAATTAT TACTCTTCTT TTTTATAATT TTTTATTTAT
118851 TATTATTATT ATTTTTGAGA CGGAGTCTTG CTCTGTCACC CAGGCTGGAG
118901 TGCAGTGGTG CAATCTCAGC TCACTGCAAG CTCCACCTCC CGGGTTCACG
118951 CCATTCTTCT GCCTCAGCTT CCCAAGTAGC TGGGATTACA GGTGCCCGCC
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FIGURE 3HH

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119001 ACCACGCCCA GCTAATTTTT TTTTTTTTTT TTTTTTGTA TTTTTAGTAG
119051 AGACGGCGTT TCACCGTGTT AGCCAGGATA GTCTCGATCT CCTGACCTCA
119101 TGATCCACCC ACCTCGGCCT CCCAAAGTGC TGGGATTACA GGCGTGAGCC
119151 ACCGCGCCCG GCCTATGATT ATTCTTTTCA TGTATCTGTC TCCTAATTAG
119201 CCTCAAATAT TGATTTTTAG ACTATGTATA ATCTATTACT CTGAAACAGT
119251 TTTTTGGGGT TTTTTTGTTT GTTTGTTTTT GTTGTTTTTT TGAGACGGAG
119301 TTTCGCTCTT GTTGTCTAGG CTGGAGTGCA ATGGCGTGAC CTCGGCTCAC
119351 AGCAACTGCT GCCTCCCAGG TTCAAGCGAT TCTCCTGCCT GAGTCTCCCA
119401 AGCTTGGATT ACAGGCATGT GCTACTACTC CCAGCTAATT TTGTATTTTT
119451 AGTAGAGATG TGGTTTCTCC ATGTTGGTCA GGCTGGTCTT GAACTCCTGA
119501 CCTTAGGTGA TCCGCCCACC TCAGCCTCCC AAAGTGCTGG GATTACAGGC
119551 GTGATCCACT GCATCTGGCC TGAAACAGTT TTTCAAAAAG ATTAATCATC
119601 TTGGGTTAAT AGAAAAAAAT CAGGCAGAAA GATAAAACTA CTTCTGTCAT
119651 TACTTAAGGA TTCCTGTGTT TATGCTATTA GGTATCTCCC TCATCTTAAT
119701 TGAATATGAT GCAAGGCAGT GTCCTTGGTG GAAGCTGGAT TCTGTCAGTC
119751 TGAACTTTGA GATGTTCTTC CTATCCCTTT CTTATTTTTG CTCTTAACTT
119801 TTCTACCCTG ATTCTCATAT CTTCTAACCT ACTCGTCTGT TACCATATA
119851 TCATATTTCA ATATTTTTGA AGCAGCATTG TGAAGGTAAT TGTCTTATTT
119901 CAGGCTGCTA TAACAAAATA CCATAGACTG GGTGGTTTAA ACAACAGAAA
119951 TCTATTTCTC ACAATCCTGG AGGCTGGGAA GTCCAAGATC AAAGTGCTGG
120001 CAGATGTGGT GTCTTCTTAG GGTTTGCTGC TTGGCTTTCA TGTGGTCATC
120051 TTGACATAGC CTCACATAGT GGAAAGCAGA GAGAGAGAGA GAGATATCAA
120101 GCTCTCCTGT CTCTTCTTAT AAGGACACTA ATCTCATTCA TGAGGGCTCC
120151 ACCCTCATGA ACTAATTACT TCCCAAGGGC CCTGTCTTCT AATATCACAT
120201 TGTGGATTAG GATTTCAGCA TATGAATTTG GGAGGGACAA ATTTGGTCCA
120251 TAGCAGCACC ATACAAAAAC AGTATTAAAG GTGGTCTCGT TTTCATCAGG
120301 CATGTTTCCA ACTTGAAAGA TTTGTTAATG TCCATAATTT TTGTCTGTTT
120351 GCCATTTCTG TTCTTTTCCC TTTTCTCCTC TTTTCTTTTG CATTCAGTGC
120401 ATTTTGATAT TGTATATTAT CTCCTCTATT ATCTTAATAG CTAAGCCTCT
120451 TTATTTTACT TAAAAAAAATA CTTGCTCAAG CATCTATACT ATACATACTT
120501 ACATTCTGTC TTCAAATAAC ACTGCACCAC TTTATTTATA GTTTAAGTTC
120551 TTACATCAAT ATACTTTTGT TTTCTTGTGC TGTATTCTGT ATTTTACCTC
120601 TAAATACACA ATAAACTTTA TATTGTAGAG TTAAAACTTT TAGTCAGTTA
120651 CCTCTTAAAG AAATTAATTG AAAAAAGAGC TATTCTATAT TTATTCATAT
120701 ATTTGCCGTT TCTAACCCTC TTCATTTCTT TGTATAGATC TAGGTTTCCA
120751 TTTGATATAA ATTCCCCATCA AGCTTTAGAA ATTGTTTTAA TATTTCTTGT
120801 AGTGGAGATC TACTAGTGAC ATATCCTCTC AGCTTCTGTT TGTCTGATAA
120851 TATCTTGTCC TCACCTTTCA TTTTTAAGGA TATGCCATTC TAGCTTGACA
120901 GGTTTTTTCT TGCAGCACTT GTCCTCCATT GTCACTTGGC TTGAATTGTT
120951 TCTGATAAGA AGTCAGCAGT AGTTCTTTGC TTACAGATAT ATAATGTGTT
121001 CTTATATTCT CATTTCTCTT AAGACTTTCT CTTTCTTATC AGTTTTTAGT
121051 AATTTGATAA TGATGCATCT TGATGTGAGTT TCCTTACTTG GATTTCACTG
121101 AGCTTTTTTG GATCTAGTTA ATATTTTTAA AAATCAAATT TGCCTATGTT
121151 TTTGTCATCT TCTTCCACTT TTTTTTCCTG ACTTTTCAAT TGTATATATG
121201 AGGGGACTTC AAAAAGTTCA TGGAAAAATG GAATTAAAAG ATAAAAAATA
121251 TAAACTTTAT TTCTCAACAT AAGGTCCATC AAGTTCAAGA TACTTTTGTA
121301 AGTGATGATA CCAGTCATTT AGTCTATCCC TAAAGAACTG AGTGTCCTGG
121351 GAAATTAATC ATATCAGTGT TATATTTTTT ACATTAGTAA TTGAATAAAA
121401 ATGGGTGCCC TTTAAAAATT TTTAAAGATT AAGAAACAAA AAGAAGTCAG
121451 AAGTTGCTAA ATCAGGATTG TAAGATAAAT GCCTAATGAT GTCCCATTGA
121501 AATTCCTGCA AAATTGCCCT TGTTTGATGA GACAAATAAG CATAAACTTT
121551 GTGGTAAAGG AGGACTCTGG TGAAGCTTTC CTGGGCATTT TTGTGCTAAA
121601 GCTTTTGCTC ACTTTCTCAA AACACTTGCA GTCAGCAGAT ATTATTATTC
121651 TTTGGAAAGT CAACAGGCAA AATATCTTGA GCATTCAGAA AAACTGTTGC
121701 CATGACCTTT GCTCTTGACC AGTCCATGTT TGCTTTGACT GGACTACTTC
121751 TATCTCTTGG TAGCCATTGC TTTGATTGTG CTTTGTCTTC AAGATCTGTA
121801 GAGCTGTGTT TCATTTCCTG TTACAGTTCT TTGAAGCAGT ACGTCAAAAT
121851 CTTGATCCCA CTTGTTACAG TTTTGATTGA AAGCTCTGCC CTTGTATGCA
121901 GCTGATCTGG GCATAAGGAT TTTGGCCCTA ATCATGTGGA AAGTTTGCAC
121951 AACTTTAATT TTTCAGTCAG AATTGTTTAA CCTGAACCAA TTGCAGTGGC
122001 TCTGGTGGTG GGTATTGTTT GTGCTGTTAA TCATTTATCT TCTTCAATTA
122051 GGGAACAAAC AAGATGAGTT TTTTCCTTGC AAACTGATGT GGAAGGTCAG
122101 CTGCTGGGGG CTTCATCTTC AACATAGTCT TGTTCTTTCA GTTATCCATT
122151 TGTAAACTGC TATCTCATTA GGGCATTGTC TCATGAACTT TTCATAAAGC
122201 ATCAATAGTT TTACCATTTT TCTATCCAAG CTTCACCATA AATTTGCTGC
122251 TTCTTGCTTC AATTTTAACA AAATTCATGT GGCTCTGACA AACTGTTTTC
122301 AAACTGGTAT CTTACCCTTA GTGCCTCAAA CTGGACTCTG TTCAGACATG
122351 TTTTAACAAG TTAGTATGAA TTTATTTTGG TGCAAAAATA ACTGAAATCC
122401 ATGCATAATT TTTAAAAATAA TACATCTTTT ACGTGAACTT TTTGAAGACC
122451 CCTCATATAT TAAACCTCTT AATATTGTTG TTATTAAGGG ACCTGTGTCT
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FIGURE 3II

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122501 CTGAGGATGT CATGTTTTTT TTTGTCAATC TTTTTTGTTT CTATGCTTAC
122551 TTTGAATGGT TGTTCTGTCT CCAAATTTAC TGATTTTTTT CTTCAGCTTG
122601 TAAGCTTATT TAGTGCACTT TAAAATTTCC AATATTATAT CTTTTAGCTG
122651 TAGAAGCTTC ATTTGGTTCT TTTTATGTTT TCTATCTTTT CCTCATAATT
122701 TTAATGTTTT CCTTAAAATT CTTTTTTGTC TTCTTCTTTT TTTAAAAATT
122751 TCTTTTGGCC AGGTCAATAA CTGCATAGTG TTTTCCTGAA AATTTTTGAA
122801 AATATTTACG ATACCTGTTT TTAAGATCTT GTTTGCCAAT TTTATCACTT
122851 CTTTTATTTC TATATCTATT TGTATTGAAC TTTTTTTCTC CAATGTTTTT
122901 ATATTTGGAT CAAGTTTTTG TTTATTTCTT TAAGATCTCT AAACTTTACA
122951 GAAAATTTGC AAGAACAGTC ACAAACATTT TTTTCTTCAA CCATTTGAAT
123001 TTAGTTGCTG CCATATGCCC CATCACAGCT GAATACTTCA GTGCGTATTT
123051 CTACAAAAAG CAAATTCTCT TACATAACCA CAGTGTAACC ATAAAATTAG
123101 AAATGAGCAT TATTATTGTC ACTCAAGTTT TGTCAGGGGT CCCAATAATT
123151 TCCTTTATGA CAAAATAAGT TAGTCCAGAA TCATGTGTTG CATTTATTTG
123201 TCACATCCGT GAAGATTTCT TCAGTTGGTN NNNNNNNNNN NNNNNNNNNA
123251 CATCCGTGAA GATTCTTCAG TTGGTAACAG TTTCTTCAGT CTTCTTTACT
123301 TTAGTGACCT TGACATTTTT GTAGATTGCA GGGTAGTTAT TGTGAACAAA
123351 CATCTCTAAA TTGAGATTTG CATGACATTC CCTCATGATT AGAGTTAGGT
123401 TATTCTTAGA AAGGATGCTG CATTCTTCTC ATTGCATTCT ATCAGGTGAT
123451 ACTTGATTTT AACTTGTCGT ATTTCTAGTG ATGTTAACTT TGATTATGGT
123501 GGTGTCAGCC AGGCTTCTTC ATTGTAAAAT TACTCTTTTT CCTGTTAAGT
123551 TAATATTTTG TGGGAAGTTA TTTTGGGACT ATATAAATAT CCTGTTTTGG
123601 CCGGGCGAGG TGGTTCATGC CTGTAATCCC AGCACTTTGC GGGGCTGAGA
123651 TGGGTGGGTG ACCTGAGGTC AGGAGTTTGA GACCAGCCTG GCCAACATAG
123701 TGGAACCCCG TCTCTACTAA AAATACAAAA ATTAGCCAGG CGTGGTGACA
123751 TATACCTGTA ATCCCAGCTA CCTCAGGCAGG CTGAGGCAGG AGGATCACTT
123801 GAACCTGGGA AGCAGAGGTT GTAGTGAGTG GAGATCGCAC CACTGCCCTC
123851 CAGCGTGGGT GATAGAGTGA GACTCCATCT CAAAAAAAAA AAAGAAAGAA
123901 AGAAAAAGAA ATAAATACCC TATTTCTTAA GAGATTTTTA AATTTATTTC
123951 GTTTTTATGG GATCATAAAT TCCTTTCTAT TCAGTGGTTT ATGATTTCTC
124001 AGTATCACTA TTTGTATTGA TGTCTCAGTT GCACCAGTTT GGCTAGCAGG
124051 CCCTCTTTTA AGCTGTCTTT TGTGTGCTCT TGGCATTAAT TAATCGCAGA
124101 TGGAAAGTCA GTTGTAACTC TGTGCAGCTT TGACATTTTA CATAGCTGAG
124151 TTAATAAAGT GCTTAGAACA GTTCATGGCA CATAGTCAAG GTTCAATATA
124201 TGTTAGTACT TATGATTGCA ATTATACATT TTTTATTTTA ATCATTTTGG
124251 AGTACAGTAT TTTTAATGAG CTACGTATTT ATTTTTTGTAT TTTTTTATTGG
124301 TGTATCATAG TTGTACATAT TTTGCAGGCA CATGTGATAT TTTGATGTGT
124351 ATACAATATG TACTGATCAA ATTGGGATAA TTGGAGTCTT CATCCACCTCA
124401 AACATTGAAC TTTTCTTGGT TTCGGGAACA TTACAATTCT CCTCTTTTAG
124451 TTATCTTGAA ATATGCAGTA AATTGTTGTT AACTATGATG TCTCTACTGT
124501 ACTACTGAAT ACTGGTACTT ACTCCTTCTA ACTGTGGTTT TGTACCCATT
124551 AGCCAATTTT TTTTCATCTC CCTCCTCCTC TCTTCCCTCC TCAGGCTCTG
124601 GTAACCACCA TTCTACGCTT TACCACCATG AGATCCACAT TTTTAGCTTG
124651 CACATATGAG TGAGAACATA AAGTATTTGT CTTTTCTGTG CCTAGCTTAT
124701 TGCACTTAAC ATAATGACCT CTCATTTTAT CTGCGTTGCT GCAGATGACA
124751 GGATCTCATT TTTTTAATGG CTAAATAATA ATTGATGAAC ACTTAGGTTG
124801 ACTCCATACC CTGGCTGTTG TAAATAGTGC TACAATAGAC ATAGGAGTGC
124851 AGATATCTCT TGGAAAGACT GCTTTCCTTT CTTTTGGTAG TAAACCCAGT
124901 AGTGGAATTG CTAGATCATA TGGTAGTTCT GTTTTTAGTT TTTTGAGGAA
124951 CCTCCCCACT GCTTTCCGTA AATGGCTATA CTAATTTACA TTCCCATCGA
125001 CAGTGTACAC ATGATTTCCT TTCTCTGCAT CTTCTCCAGC ATTTCTTATT
125051 TTTGTCTTTT TGATAATAAC CATTCTAACT TGCATAAGAT AAGAGATCAT
125101 TGTGGTCTTG ATTTGCATTT CCATGATGAT TATGATGTCG AAATTTTTTC
125151 ATATAGTTAT TGGCCATCTT TCTTTTGCGC ATTTTTTTTA TTGGATTATT
125201 TATATTTGCT ACTGAGTTGT TTGAATTCCT TTTGTTATTC TGGTTATTAT
125251 TTCTTGCTG AATAGGTAAT TTGCTAATAT TTTCTCTCAT TCTGTAGATT
125301 GTCTCTTCAC TTTCTTAATT GTTTCCTTTG CTGTGCAGAC ACTGTTGAGG
125351 TAATTTGTCT TTTTTTTTGC CTTTGTTACC TGTACTTTTG AGGTCTTGCC
125401 CAGACCACTG TTGTATAGCA TTTCCTCAGT GATTTCCCCA AGTTTTCTTC
125451 TAGTAGTTTC ATAGATTCAG GTCTTATGTT TAAGTGCTTT TTTTTTTTTT
125501 CCTTTTGAGA CAGGGTCTCA CTCTGTCACC CAGGCTGGAG TGCAGTGGTG
125551 TGATCTTAGC TTACTTCAGC CTTGAACTCC AGGGTTCAAG CAATCTTCCT
125601 TTCTTAGCCT CCTGAGCAGC TAGGAATACA GGTGTGAACC ACTACACCTA
125651 TTTTTTTAAA TTATTATTAT TGTAGAGGTG GGGTCTTGAT ATGTTGCGCA
125701 GGCTCAAACT TCTGGCCTCA AGTGATCCTC CCACCTCTGC TTCCTGAGTT
125751 GCTGGGATTA CAGGAGTGAG TCATGTGCCT AGCCACATTT AAGCCTTTAA
125801 TACATTTTGA ATTGATTTTT GTTTGTGGTG AAAAATGTGG ATTTAGTTTC
125851 ATCCTTCTGC ATATGGATAT TTACTTTTTC CAGTATCATT TATTAGAGAC
125901 TGTTCTTTCC CCAGTGTGTG TTCTTGATGC CCTTGTCGAA AATGAGTTGA
125951 CTGTAATGAA TGTGGATTTA TTTCTGGGTT CTCTCTTTTG TTTCATTGGT
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FIGURE 3JJ

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126001 CTGTGTGCCT GTTTTTATGC CAGTACCATG CTGTTTTATT ACTGTAGCTT
126051 TGTAGTATAA TTTAAAATAA CTTTGTTTTA TGCTTCCAGC TTCATTCTTT
126101 TAGCTCAGGA TTGCTTTATC TACTCAGGGT CTTGTGTGGA TCCATATGAA
126151 ATTTAGGATT GCTTTTTCTA TTTCTACCAA AGAATGCCCT TGGTATTTTG
126201 ATAGGGATTG AGTTAAATCT GTAGATTGCT TTGGGTAGTG TAGACATTTT
126251 AACAATACTT ATTCTAATTC ATGAGCATGG GATATCTGTT CATTTTTTAT
126301 GTGTGTCCTC TTTAGTTGTT TTCATCAATG TTTTATATAG TTTTCCTTGT
126351 AGAGATCTTT GACTTCTTTG GTCAAAGAAA ATTTATTCCT AGGTTTTTGT
126401 TTGTTTGTTT TGAAGTTATT GTAAGTGGAA TTGCTTTCTT GAGTTCTTTT
126451 TCAAATTAAT TGCTATTGGT GTATAGAAGT GCTACTGATT TTTGTATGTT
126501 GATTGTGTAT CTGGGAATTT ACTGAGTTCA TTAGTTCTAA GAGTCTTTTG
126551 GTGGAGTCTT TAGGTTTTTC TACATATGAG ATTATGTCAT CTGCAAACAA
126601 GCACAATTTG ACTTCTTCCT TTTCAATTCG AATGCCCTTT ATTTCTTTCT
126651 CTTTCCTAAT TTTGGCCAAA ACTTGCAGTA TTATGTTGAA TAGAAGTGGT
126701 GAAAGTGGAC ATCTTTGCTT TGTTTCAGAT CTTGGTGTAA AGGCTTTTCCA
126751 TTTTTCCCTG TTCCATATGA TAGTAGCTAT GGGCTTGTCA TATATGCCCT
126801 TTATCAGATT GAAGTATGTT CCTTCAATAC CCTGTTTATT GAAGGTTTTT
126851 ATCATGAAGG GATGTTGAAT TTTACCCAGT TTTTTCAGCA TCTGTTGAAA
126901 TGATCCTATG GTTTTTGTCC TTGATTCTGT TAATGCAGTG TTCAATGTTT
126951 ATTGATTCGC ATATGTTGGT TCATCCTTGC ATCCCTGGGA TGAATCCCAC
127001 TTGATTGTGG TGAATGATCT TTTTAATGTA TTATTGAGTT TGGTTTGCTA
127051 GTATTTTTTG AAGATTTTTA AATCTGTGTT TATCGGGGAT ATTGATAGTT
127101 TTTTTTATTT GTTTTGTCTT TGGTTTTGCT GTCATGGTAA TGCTGCCTTC
127151 ATTGAATAAA TTTGAATGTA TTCTCCCTTC ATTTTTTTTG AAATATTAAT
127201 AATTAGCAGA ATTTATGTTA ATTCTTTAAA TGTTTGGTAG AATTCAGCAG
127251 AGAAGACATC AAATCCTGTG CTTTTCTTTG ATGGGAGACT TTTTATTGCT
127301 TCAATCTTCT TGTTATTGCT TTTCTGTTTT TTTCATGGTT AAGTCTTGGT
127351 AAGTTGTGTC CAGGAATTTA TTCAATTCTT TTAGATTTTT CCATTTGTTG
127401 GAGTATAGTT GTTCATAATA GTTCTAATG ATCCTTTGTA TTTCTGTAGT
127451 ATCAGTTGTA ATTTTTTCTT TCTCTTCTCT GATTTTATTT ATTTAGGTGT
127501 TCTTTTTTTT AGGTAGTCTA GCCAAAGCTT TGTTGATTTT ATGGTTTCAA
127551 AAATCAGCTT TTCATTTGTT GATCTTTTAT TTTTTTAGTC TGAATTTCAT
127601 TTATTTCTGC TCTTTATTAT TTGTTTTCTT GTAGTAATTT TGGGTTTGGT
127651 TTGTTCTTGC TTTTCTAGTT CCTTGAAGTA CATTATTAGA TTGTTTCTTT
127701 GAAGTCTTCA TATTTCTTTG ATTTGGGTGT TTAAGGCTTT AAACTTCCCT
127751 CTTAGTACTG CTTTTGTGTA TCTGTAGATT CTAGTATTTT GTGATTTATT
127801 TCACTGGTTT CAAGAAATTT TAAAATTTTC TTTTTTTTTG GTGGACTCAT
127851 TGGGCATTCA GAAATATGAA CTGTACAGAA ACTGTACAGT TTCCAAAGTT
127901 GTTCTTGTTA CTGATTTCTA GTTTTTGTTG TGGTGGTTGT GGTCAAAAAA
127951 GATGCTTGAT ATGATTTTGA CTGTTTTGAA TTTGTTGAGA TTTATTTTGT
128001 GGTTAATGTA TGGTCTATCC TGGATAATGT GCCATGTGCT GATAACAAGA
128051 ATGTGTATAT TCTGCAGCAG TTAGATGAAA TGTTCCGTAA ATGTCTGTTA
128101 GGTCCACTTG GTGTATAGTT TAACTCCAAT GTTTGTTTGT TGATTTTTTG
128151 CCTGAACTGT TTGTTGCTCA AAGTGGGGCA TTGCGGTCCC CTGCAATTAT
128201 TTTATTGCAG TCATTGCAGT CTGTCTCTCT CGAGAGCTAT TAATATTTGC
128251 TTTATATATT TGGGTGCTCC ACTGTTGGGT GCATGTTTTT AATTTTGTTA
128301 TATCTTCTTG CTGATTTGAC TTTTCTAAAT CATTATATAA TGACTTTCTT
128351 TGTCTCTTTT TACAAGTTGT GACTTAAAAT CTGTTTATC TGATATAAAT
128401 ATAGCTACTC CTGCTTTTTT TTGGTCTCCA TTTGCATGGA ATATCATTTT
128451 CCATTCCTTC ACTGTTAGTC TATATGTGCT GTTAGAGGTG AAGAGAGTTT
128501 CTTCTAGGCA GCATATAGTT GTGTCTTTTT TTTTTTTTTG GAGATGGAGT
128551 CTCGCTCTTT CGCCCTTTCG CCCAGACTGG AGTGCAGTGG CACTCTCTCG
128601 GCTCACTGCA ACCTCTGCCT CCTGGGTTTA AGCGATTCTC CTGCCTCAGC
128651 TTTCTGAGTA ACTAGGATTA CAGGCACCTG CCACCACGCC CAGCTAATTT
128701 TTTTTTAGTA GAGATGGGGT TTCACCAAGT TGGTCAGGTT GGTCTCAAAC
128751 TCCTGACCTA GCGATCCATC CCAGCCTCCC AAAGTGCTGG GATTACAGGT
128801 GTGAGGGTCT TGTTTTTTAA TCCATTCAGC CACTCTTGGT CTTTTTTTAAC
128851 TAGAGAATTT AGTCTATTTA CATTCAATTT TAATATTGAT AGGCAAGGCC
128901 TTACTTTGAC CATTTCGATA CATTTTTTTT TTGGTATTAT GTAACTCTTC
128951 TTTTCGTTTC CTTCTTTCTT ACTGTCTTCT TTTGTGGCTG AGTGATTTTT
129001 CTCTGGTAGC ATGTTTTAAT TTGTTCTTTT TTATTTTTAG TGTATATATT
129051 ATAGTTTTTA GCTTTGTAAT TACCTTGAGT CTTATAAAAA TATTATATTA
129101 ATTATTTCAA ACTGGTACCA ACTTAACTTT GGTTGCAAGA TAAGAAACAA
129151 ATGAAAAGAA AAATTTGTAC ACCTTAACTT CCTCTCCTCC AACATTTTGA
129201 ATTTTTGATT TTACAACTTG CTGTTTTTAT ATTGCCTCTT AACAAATTGT
129251 ACTTGTAATT ATTTTTAATT GTTTTGTATT TTCTTTTTAC TAAAGATATA
129301 AGTGATTTAA GAACCATGAT TATCATATTA GTTNNNNNNN NNNNNNNNNN
129351 NNNAACAATA ACGTTAATGT TCTTTTCTTT TGGTTTGAAG AACTCTGATT
129401 AGCCTTTTTT ATAGGACAGG TCTAGTAATA AATTTCCTCA GCTTTTTTTT
129451 TTTTTTTTTT TTTGGCCTGG GAAAGTCTTT ATCTGGCCTT TATTTCTGAA
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FIGURE 3KK

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129501 GGATAGTTTT GCTGGGTACA CTATTCTTCG TTAAGTTTTT TATTTTCTTT
129551 CAGCATTCTG AATAATTTCA CTCCCTCCAA CCCTAAGGTT CCCACTGAAA
129601 ATTCTGCTGC CAAGTGTATT GGATCTCCCT TATATGTTAT TTGTTTCTTT
129651 TCCTTTGCTG CTTTCAGGAT CCTTTATCTT TGATCTGTGT GAGTTTAATT
129701 ATAAATCTTG GGTTGTTTCT TATTTTGGAG AGGGAAAGTT GAGCCTGGTT
129751 GGTGACCTTT AACCTTCATG TACCTGGATA TTTATATCTT TTCAAGCTTT
129801 GGAAAGTTTT TTGTATTTCT TTGAATAAGC TTTGTCTTTC
129851 TCAGTTTTTT TCTTTCATTT CAGTAACCTG AATATTTGTT CTTTTGATGT
129901 TGTCTCATAG CTCCCATAAA CCGTTCATTT CTTTTCATTC CTTTTGCTTT
129951 TTTCTCCTCT GACTGTGTAT TTTCAAATAG TTGGGCTTCA AGCTCACTGA
130001 TTCTTTCTTC CTTTTCATCA GTCCTGCTGT TGATATTCTC TATTCCATTT
130051 TTCATTTTGC TCATTGTATT TTCCAGCTCC ACAATTTTTG TTTGATTTTG
130101 TTTATGATTT CAGTATCTCT GTTAAATTTC CCTAATACAT TTCTGAATCG
130151 ATTCCGTCTG TTTTCTTGAA GTTCATTGAG CTCTCTTAAA ACAGGTATTT
130201 TGAATTCCTT GTCTGAAAGG TCACATATCT CTATCACTTT AGGGTTGGCC
130251 TCTGGTGCCT CATGTCCATT TGTTGAGATC ATATTACCCA GAATCTTCTT
130301 GATGCTTGTG AAATTGCAGG CTGTCTGTGC ATTGAGGGAT TAAGTATTTA
130351 TTTTACTCTT CACAGTCTTC CTTTGTTTGT GCCTGTCCTT CTTTAGAGAC
130401 CTTCCAAGAA TTCTAAGCCA ACTGAGTATT GTGTTTCCTG AGCCTGTGAC
130451 CACTTCAGCT ATCTAAACAC TAGGAGACTG TATTAGGGTT CTCCAGAGGG
130501 ACAGAACTAA TAGGATTATG TGTATATGAA AAGGAGTTTA TTAAGGAGAA
130551 TTGACTCACA TGATCACAAG TGAAAATCCC ACAGTTGGCC ATCTATAAGC
130601 TGAGGAGCAA TGAAACCAGT AGTGGCTCAG TTCAAGTCCC AAAGCCTCTA
130651 AGGTAGGGAA GCTGACAGTG TAGCCTTCAG TCTGTGGCTG AAGGCCTGAG
130701 AGCCAATGGC AAACCACTGG TGTAGGTCTG AGAGTCCAAA GGGTGAAGAA
130751 TCTGGAGTTT GATATTCAAG GGCAGGAAGC ATCCAGCACA GATGAAAGCC
130801 AGAAGACTCA GCAAGCCGGC TTATTTCATC TTCTTCCACC TGCTTTTTCT
130851 AGCCACACTG GCAGCAGATT GGATGGTACC CACCCAAACT GAGGGTGGGG
130901 CTTTGTCGCC CAGTCCACTG ACCCAAGTGT TAATCTCCTC CGGCAACATC
130951 CTCATAGACC CAACCAGAAA CAATATTTTG CATCCTTCAG TCCAATCAAG
131001 TTGACAATTA ATATTTACCA TCACAGAGAC TCTCTGAGCC CAGGCTTGCC
131051 ACAAATCTCA CAGGATCTCT TTGGTTGATA TGGCTTTCTG GCCCAGATGG
131101 ACCTGGGGTA GACCCAAGGC AGATACTCCG GCTGCGTGGA AATGCTGGCC
131151 AGGGATCTGA GTCCAGAAGA CTGTCCCAAT CACCCAGATG AGTGTGCCTT
131201 TCAGCATATT TCTGCACAGG CAGGATGGGC TGCTAACTGC AGTGAGAGGG
131251 CCTGGAGTTG AGACTGGGCT GCGTTGGGAT CTGCTGTGTG AAGGAGACTG
131301 GCCCCGACTT ATTTGCTCAT ATCAGCATGC ATCACTCAGC TGGTCATTGC
131351 AAAAGTGCTT GACTGTAACA GGGCGGTCTG GTACTGAGAC TGGGCTCCCT
131401 TGGAATCTGC TGTGGGATGG AGGTTGGTGT TCTTGTCACA TTGGCTCAGA
131451 TGGGCATGTG TCTCCCAGCA GGTCCGTACA TAGATGGGAT AGCTCCCAGA
131501 CTGCAGCAGG AGGGGCTGGA GCTAAGACTG GGCCCCCTTG GACTCTGCTG
131551 TAGGGACGGA TTTGGAAAGC TTGTCTTGTT GGCTCAGAGT GGCATGCATC
131601 TCCCAGCAGG TCTCAGCACA GATAGGATAG TTCCTCTACT GCACTGGGCG
131651 GGGCTTAGAC TGGGTCTCCT CAGGATATGT TGTGGGATAG AGGCTGGTGA
131701 GCATGTCGGG GAGGATCAGA GTCCCAGGCC ATGAGATTTG TGTGAATCTC
131751 CCCCTGGTTT CTTGTGTAAG CAACTATAAG CTGGGACCTC AGCTAGGGAG
131801 GCCTGGAGCA GTGTCACAGT TCAACTTCCA GGTTCACTAC TGAGACCAGT
131851 TATCAGTGGG CTGATGAGCT TTTCTGCCAA GGCATTAGTG TGCATGATTT
131901 CTCTGAACCC TTTGGCAGAT GATTTTGGTT GCAGGCTCAA GGTCAAATGG
131951 GGCTATAGTC AAGCCCCTTG AGAGACAGGG CTACTTCTGG GCTTGAATGC
132001 AAAAGCAAGC TCAGTGGAGC AGATCAGTCA CTTGGGTGTT AGTGTACCCT
132051 CTCAAAGTGA CCCTCCTGTG TCTTAGGGTT TCACAATTGT GGATGGATGG
132101 ATAATTCTTT TTATTGTGGG CATATATGAG CAGGTTACCT TCTATTTACG
132151 CATCTTGGTG GTGTCACTCT ATGAACTACA TACTTAAGAG AAATTGCTAC
132201 ACAGAATATA TTGAGCATCC TTTTTTTTTT TATGAATTAA GTCATTATCG
132251 TGAACATCAA AAATAGTAAT GTTACTTTGG GAGGCCGAGG CAGGCAGATG
132301 ACGAGGTCAG GAGATTGAGA CCATCCTGGC TAACACAGTG AAACCCTGTC
132351 TCTACTAAAA GTACAAAAAA TTAGCCGGGT GTGGTGGCGG GCACCTGTAG
132401 TCCCAGCTAC TTGGAAGGCT GAGGCAGGAG AATGGTGTGA ACCCAGGAGG
132451 CGGAGCTTGC AGTGAGCCGA GATAGCGCCA CTGCACTCCA GCCTGGGTGA
132501 CAGTGCAAGA CTTCATCTCA AAAAAAAAAT TAGTAATGTT AAGTCAAATT
132551 TGAATTATTC TACACCCCAC TCTCATCTTC ACATTTTGCT ATCCACAACA
132601 CATTAATTTT ATATTTTTAA TTGTTTTTGT GGCTATCTTC TCATTTCCNN
132651 NNNNNNNNNN NNNNNNNTT GCACTCCTTT GCCTTAAACT TGTTCCTCAT
132701 TATTTTTCCC CTTTACTATT CTAAGCATTT TATAACTGTT CTCTCGACTT
132751 CTGGACTCTT AATATTCCTC CTAAACATCG TTTATACTGT GGCCAGAATC
132801 ATCTTTCATT AATACCTCTG TTATCACTTA ACTTTCATAA AACCCTTCCT
132851 ATTGCTTACA CGATAAAATC TGAACCCCTG CCTCCCACTT TAAGTAGCTT
132901 TATTGATTGC CACAATCTCC CTGCACCCTA TGATTCACGT GTAGTAAATT
132951 CTTATATCAG TTCTGTTCAA GTGTATTCAT TGTATGTAAT TTAAAAGTCA
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FIGURE 3LL

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133001 ATGAACTCAG CGTAAAGACC TTAAGAGCTC TTCTACAACA AAGTTCATAT
133051 AGTAACATCT ATTTTGGCTC ATCAGAGACC TTTTTGATTT CTTCCTGGGT
133101 CTTGATGTAT TTCATATTTT TGAGGATGTG AAATAAATCA ACTGAGGACT
133151 AACCTGAAAT GTTACTTTCT CTAGGAACAT TTCTTGACTC TAAGGAGTTT
133201 CTTCTGTATG TTTTGATGGT ACCTGTGCAT TGCTCTATCA TAGTACTTGT
133251 CATACAGTAT GCTAATTTTC CTTGTAATAT GGTGTTTTAT ATGAAGCCAA
133301 ATACCGCCCA TACCAGTTTG GGATTAGTTA ACATTCTGCT AGGGTTTGCC
133351 TTTGTGTTTC AGTCAGTCAG ATTTTTAAAA ATTAATATAA ATTGTTTAGG
133401 AAATACTTAA GTCAGTGTCT TGTTACATCC TCGGAATTGG CTGGACCCGT
133451 GATCTGCATG GAATAGAATA TGAATCTTGT TCAAAGTAAG GGGTGTGTGT
133501 ATGTGTTTGT GCATGCATGC ATGCTCGTGC GCACACACAG AGAGAGGGAG
133551 AGAGAGACAC ACACACATGT CTCTTGTTCT TCGGGATGTA TGAGGAACTG
133601 TGTCAGAATA GCCAGATGCT CGGAGAAACA TCCCCACAAC TGAGGTCATC
133651 TATCATTATG GGACAATTTA ATTCATAACT TCTTGTGGTG ACTGTTTATC
133701 TTAAGAGAGT AGATATGTAT GTGGTAAAAA AGAAAGTCTG CTGTGTTTCT
133751 TACAATATTT GATATTCTAG GTACTTGAGA AATAAGAAAT ATTAAAGTTC
133801 AGAAATATTA ATGTCAAAAA ATGTGCATCT TCAGATCTGG TAAGTAGACC
133851 TGCTTAGAGC TAGCCAGTGG TTAGGCCTGA GAAATGGCTG TTCCATCTTC
133901 TGTGCCTAGC ACCACATCTG ATATAGTGTA AAAATGTGGA TAGAGTTATA
133951 GACAGATGAT GAATAAGTTG TTAAAATATT ATGATTAGTC ACAGCCTTTC
134001 CTTTGTATTG ATGTGTGGTT TTTGGAATGT AGAATGGCTT TAACTTTTAA
134051 GGCACAAATA ACAAACAGAG AAAATAAGCA TGCTAAAGGG ATTAATAAGC
134101 AGATTTTGTT TATTTTCTCT TTTGTGTATA TTTTTTCTAC TTCATTGGAA
134151 GAAATATACA TGATTGCATT TATAAAGACA CTGAACAGTT GTTTTCTTTT
134201 CATGCAGGGG CCTGAATTAA TGAATAAATA TGTTGGTGAA TCTGAAAAGAG
134251 CAGTTAGAGA GGTAAGAAAT TGTGCCTTTA GTGGCACTCA GCACAGAGAG
134301 ATCACACTTC TGTCCTGTGC AGCTTCCCTT TTGTTTTAGG TAACAGACTT
134351 TGGCATTTCC GAAGTCAGAT CTTAGTGGTA TTTTTTTTTC TTCAGGTAAA
134401 TATTATTTTA TTATTTAAAA ATGCAGTTTT GATCATCTGC AATACTTCAG
134451 TTTTGTTTTT AAACATCATA TTACCAGCCC TTTTAAAACT ATCATTTTTT
134501 CTGATAATAA TAGCCAGCAT TTCTGTTAAA ATAGTTAATG CTGTTACTAA
134551 TAGTTAATAA TACCTATCAT TTATTGAGCT CTTACTGTTT CAGGCATTGT
134601 GCCAAATGCT TTGTGTTCTT TTTAAAATTC AATTATTAAA ATAACTTTCT
134651 GAGGTAGGTG TTTATTTATCT CCATTTTATA GATGTAGTAA TCGAGGCTTA
134701 CAGAAGTGAA GTTAACTGCT GAAAGTCACA CAGTTACTAG TAGTGCAGCT
134751 GGGATTTTAA CTGAAATTTT CTGATTGCTT AACTGAATTG CCTCCTTCAC
134801 ACCTATGTGA ATATGTATTG ATAGTCTTGT CTCTTTAAGC ACTATTGAAG
134851 GGGATACTTT TACATCCATT ATAAAGTTCT GAACATCTAT TACAAGGTCT
134901 ATACAAAGTG ACTGGGCTTG TTGACTTGTA CCTAATAGGT TTGGTTCTAA
134951 ATATAGTTTT AAAACAAACC AACTACAGAA TTTTCTAGTG TTTGCTCATC
135001 TTTAGCTAAT GTGGCACTCT TTCCACCAGA CCTTCCGAAA AGCAAGAGCA
135051 GTGGCGCCTT CCATTATTTT CTTTGATGAA CTGGATGCCT TAGCAGTTGA
135101 AAGGGGCAGG TAAGAAGTAT TTAATAGCAC TGCTATTACA TAATAATATG
135151 ATGTTACATA ATAATAGCAA TTATGGTATA AATGACATTT TGTATACAAC
135201 TTTTATCTAT TAATACATTT GGCCTAAAAA AGTTTTCAGT TTTTGTAATT
135251 TTTTCCTCTT ATACCCATTA AATTATTTCA TGTAATTACT GTATAGTACT
135301 TTTATCTATA TTGGATAAAA ACCACTGATA CCTGTCTGGG CATTTGAGTT
135351 AATTTTTATA GTTTATATCA ACACATACTT CTTAGTATTG TCTATCAAAA
135401 TTAGGGTTAT TGTAAACATA TAATTAAAAC TGTAAACAAA ACTGGATTAA
135451 TCATAATTAC TTCTTGTAGT AGAACAAAAT TATAAAATAC GTTACACAGA
135501 TTTTAAAATT CTCTGGAATA AATGTTTCCT AAAGTAAAAT TAAATAGAAT
135551 ATAAATTAGT ATTAATAGTT TTGCTCCAAA ATCTCAGGCA GTAAAGAGGA
135601 TTATCTATGA TGTCATTTCA AACAAATATA TACACACACA CACACACACA
135651 TCAGAACTGT TCATAAGTAT GTTTTTTTCC TCTACAAATG TATAGCGGTC
135701 CTTTAATATG TTCTACAAGT GGTTCATGTT GGGTAATGTA AATTCATGTA
135751 CTTTGTGCAT AGCTTCTTGA TGTGTATATT GATTATAAAA TTTTTGCTGG
135801 TGGTAATTAC AGTGAAGGGT GAAGACAACT TACAGGTGTC AGTAGTAAGT
135851 GTGATATGAA ACATTGCTGT TATCATCCTT CTTAATTAGA GCTGCCTCAT
135901 GTGATGAGAG TATAAATTGT CATTAGGAAC CTATCATTAG GAGGTAGACT
135951 GCTATATTAG TCCATTTTCG TGCTGCTGAT AAAGACATAC TCGAGACTGG
136001 GTAATTTATA AAGAAAAAGA GGTTAATGG ACTCACAGTT CCACGTGGCT
136051 AGGAGACCTC ACAATCATGG TGGAAGGCGA AAGACATCTC TTAGGTGGTG
136101 ACAGGCAAGA GAGAATGAGA GCCAAGTGAA AGGGGAAACC CCTTATAAAA
136151 CCGTCAGATC GGGCTGGGCG CCGTGGCTCA CGCCTGTAAT CCCAGCACTT
136201 TGGCAGGCCG AGGTGGGCGA ATCATTTGAG GTCAGGAGTT TGAGACTAGC
136251 CTGGCCCACA TGGTGAAACG CTGTCTCTAC TAAAAATATA GAAATTAGCT
136301 GGGCGTGGTG GTGGTTGCCT GTAATTCCAG CTACTTGGGA GGCTGAGGCA
136351 GGAGAATTGC TTGAGCCCAG GAGGTGGAGG TTGCGGTGAG CTGAGACTGC
136401 TCCATCGCAC TCCACCCTGG GCAACAAGAG CGAAACTCCA TCTCAAAAAA
136451 CAAAACAAAA CAAAAAATCA GATCTCGTGA GACTGATTCA CTACCATGAA
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FIGURE 3MM

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136501 AACAGTATGG GGGAAACCAC CCCCATATTC AGTTAATCTC CCACTGGGTC
136551 CCTCCCACAA CATGTGGGAA TTATGGGGGC TACAATTCAA GATGAGATTT
136601 GGGTGGAGAC ACAGCCAAAC CATATCATTC CGCCCCTGGC CCCTCCAAAT
136651 CTCATGTCTT CACATTTCAG AATCATTCAT GCCTTCTCAA CAGTCCCTCA
136701 AAGTCTTAAC TCATTTCAGC ATTAACTCAA AAGTCCACAG ACCAAAGTCT
136751 CATCTGAGAC AAGTCAAGTC CCTTCCACCT ATGAGCCTAT AAAATCAAAA
136801 GCAAATTTGT TACTTCCTAG GTACTATGGG GGTACAGGCA TTGGATAAAT
136851 ACACCCGTTC CAAATGGGAG AAATTGGTCA AAATTAAAGG GCTAAAGGCC
136901 CCATGCAAGT CCAAAATCCA GCAGGGCAGT CAAATCTTTT TTTTTTCTTT
136951 TCTTTTTTAT TTTATTTTAT TTTATTTTAT TTTATTTTAT TTTATTATTA
137001 TTATACTTTA AGTTTTAGGG TACATGTGCA CAATGTGCAG GTTAGTTACA
137051 TATGTATACA TATGCCATAC TGGTGTGCTG CACCCATTAA CTCGTCATTT
137101 AGCATTAGGT ATATCTCCTA AAGCCATCCC TCCCCCCTCC CCCGACCCCA
137151 CAACAGTCCC CCGAGTGTGA TGTTCCCCTT CCGGTGTCCA TGTGTTCTCA
137201 TTGTTCAATT CCCACCTATG AGTGAGAATA TGCAGTGTTT GGTTTTTTGT
137251 TCTTGAGATA GTTTACTGAG AATGATGATT TCCAATTTCA TCCATGTCCC
137301 TACAAAGGAC ATGAACTCAT CATTTTTTAT GGCTGCATAG TATTCCCATG
137351 GTGTATCTGT GCCACATTTT CTTAATCCTG TCTATCATTG TTGGACATTT
137401 GGGTTGGTTC CAAGTCTTTG CTATTGTGAA TAGTGCCACA ATAAACATAC
137451 GTGTGCATGT GTCTTTATAC CAGCATGATT TATAGTCCTT TGAGTATATA
137501 CCCAGTAATG GGATGGCTGG GTCAAATGGT ATTTCTAGTT CTAGATCCCT
137551 GAGGAATCGC CACACTGACT TCCACAATGG TTGAACTAGT TTACAGTCCC
137601 ACCAACAGTG TAAAAGTGTT CCTATTTCTC CACATCCTCT CCAGCACCTG
137651 TTGTTTCCTG ACTTTTTAAT GATCGCCATT CTAACTGGTG TGAGATGGTA
137701 TTTCATTGTG GTTTTGATTT GCATTTCTCT GATGGCCAGT GATGGTGAGC
137751 ATTTTTTCAT GTGTTTTTTG GCTGCATAAA TGTCTTTTTT TGAGAAGTGT
137801 CTGTTCATGT CCTTTGCCCA CTTTTTTGATG GGGTTGTTTG TTTTTTTTCT
137851 TGTAAAGATA GTCAAATCTT AAAGCTTCAA AATGATCTCC TTTGATCCAT
137901 GCCTCACATC CAGGTCCCCC TGATGCAAGA GAGGGGTTCC CATGGTCTTG
137951 GGCAGCTCTG CCTCTGTAGC TTGGCAGGGT ACAGCCTCCC TCTGGCTGCT
138001 TTCACAGGCT GGTGTTGAGT ATCTGCAGCA ACATGGTGCC ACAGGCACAT
138051 GGTGCAAGCT GTCAGTAACC TACCATTTTA GGGTGTGGAG GATCGTGGCT
138101 CTTTTCTCAC AGCTCCACTA GGTGGTGCCC CAGTGGGGAC TCTGTGTGGG
138151 AGCTCCAACC CCACATTTCC CTTCCACTCT GTCCTAGCAG AGGTTCTCAT
138201 AAGGGCCCTG CCCCTGCAGC ACACCTCTGC CTGAACATCC AGGGATTTCC
138251 AACATCTTCT GAAATCTAGG CGGAAGTTCC CAAACCTCAA TTCTCGACTT
138301 CTGCACAACC GCAGGCTCAA CTCCATGTGG AAGCTGCCAA GGCTTGGGGC
138351 TTGCACCGTC TGAAGCCATG GCCCAAGCTG TACCTTGACC CCTTTTAGCC
138401 ATGCCTGGAG CGGCTGGGAT GCAGGGCACC AAGTCCTGAG GATGCACTCA
138451 GCAGTGGCAG GGGGGGCCCT GGACCTGGCC CAGAAAACCA TTTTTCCCTC
138501 CTAGGTTTGC AGGCCTGTGA TGGGAGGGGC TGCAGGGAAG GTCTCTGATC
138551 TTCCCTGGAG ACATTTTCCC CATTGTCTTG GCATTAGCAT TTGGTTCCTT
138601 GTTACTTAAG CAAATTACTG CAGCTGGCTT GAATTTCTCC CCGGGAAATG
138651 AGTTTTTCTT TTCTACTGTA TCTTCAGGCT ACAAAATTCC AAACTTTTAT
138701 GCCTTGTCAC ATCTTGACTG CTTTGCTGCT TAGAAATTTC TTCCACCAGA
138751 TATCCCAAAT AATCTCTCTC ATGTTCAAAG TTCTACAGAT CTCTAGGGCA
138801 GGGACAAAAT GCCACCAGTC TCTTTGTATA GCAAGAGTAA CATTTACTCC
138851 AGTTTCCAAC ATGTTCCTCA TTTTCATCTG AGACCACCTC AGCCTGGATT
138901 TTATTGTTCC ATATTGCTGT CAGCATTTTG GTCAAAGCCA CTTAACACGT
138951 CTCTAGGAAG TTCCAAATTT TCCCACATCT TCCTGTCTTC TGAGCCCTCC
139001 AAGTCTCTAG GAAGTTCCAA ACTTTCCCAC ATTTTCCTGT TTTCTTCTGA
139051 GCCCTCCAAA CTGTACCAAC CTTCACCTGT TACTCAGTTC TAAAGTTGCT
139101 TCCACATTTT CAGGTATCTT TACAGCAGCA CCCCACCTCTA CCGTTACCAG
139151 TTTACTGGAT TAGTCCATTT TTATACTACT ATGAAGAAAT ACCCAAGACT
139201 GGATAATTTA TAAAGAAAAA GAGGTTTAAT GAACTCATTA GTTCCACATC
139251 GCTGGGGAGC CTCACAATCA TGGAGGAAGG TGAAGGAGGA ACAAAGGCAT
139301 GTCTTACGTG GTGGCAGGCA AGAGAGCTTG TGCAGGGCAA CTCCCCTTTA
139351 TAAAATCATT AGATCTTGTG ATGCTTATTC ACTACCACAA TAACAGTGTG
139401 GGGGAAACCA CCTCCATGAT TCGATTACCT CCACCTGGCC CTGCCCTTGA
139451 CACATGGGGA TTATTACAAT TCAAGGTGAG ACTTGGTTGG AGACACAGTC
139501 AAACCATACC AGCTGCCCTG CTTTCCACCC CCCTCACATT TGGTATTCCA
139551 TGAATACTTA CCAGTCTTTT TGCTTTGTGA AGTGAAGCAC TCAAGCCCTT
139601 TTATTACTTA CGTTTTAAGA TGGCACAGAG TGTTACAAAA CTCAGGTTTA
139651 CCTAACTACA AGAGAAGAAA AGCCAGAGAA TTTTGCTGAA GTAGTGTGAC
139701 CTTCCACAGT TATGTGACAT CAGAGACATC TGGTTTTGGA CCCTAAAAAG
139751 GAACAGGTGG GAGGGATATC CTGTTAAATA TGAACCAGAT GGGAGGTAGA
139801 ATATGTAGCA AAGTTCTCTT AAAATGTCTC TGAAATAAAG TGATGTGAGA
139851 AACCAGACAA GGCACTTTGT AGTAATATCT TGCTTTCTTA GGAGTTTAGC
139901 TCAGTAGGAA TTACCAGATA CATAAGAGAT GCTAATGATT TGCAGCTTCT
139951 AGATGTTATT TCCTCTGGTA GTCTTCATCA AATTGAACTT TTCAGAGAAC
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FIGURE 3NN

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140001 ACATGTGTTT AGTGTATACC TCCCTCTCTC AATGGCTCGT CATGTGTTAC
140051 TTAATGAAGG GAGGCAGTTT ACATACTGAG AAATTCAGTC ATTAGTCAAT
140101 TTCATTGTTA TGTAAACATC ATAGAGTATA CTTACTTATA AACCTGGATG
140151 ATGTAGCCTT CTACACTATA TACCATATGG CCTATTGCTA GATAGTATAA
140201 CAATCATCTG CAGTACTTTG ATTTTGTTTT CAAACATCAT ATTACCAGCC
140251 TTTATTTTTA TGAAATAAAG ATTTTTTTTA AAACTATCAT TTTTTTCTGA
140301 TAATAATGGC CAGTATTTCT GTTAACATAG TCAATGTTGT TACTGTTACT
140351 TAATCATACC TATCAATTAT TGAGCTCTTA CTATGTAAGA TATATATAGC
140401 AATAAGCCAT ATGGTATAGC AATAAGTCAT ATGGTATAGC AATAGGCTAT
140451 ATTACCTATA CCAGGTAGCC TGGTCCTAGG CTACTAACTT ATACAGCATG
140501 TTATTGTACT GAATACCATT GTAGGTAGTG GTAACAAAAT GCTTAGATTT
140551 GTGTATATAA ACATACAAAA GTTAGAGTAA AAAGACAGTG CTGTGATCTT
140601 ATGGTACCAG CTTCATATAT GTGATTGCCA TTGACCCAAA CTTCATTATG
140651 TGGCACATGA CTGTAGAAAT AAATTCTATG CAATTTGTTT TGTACAGAAA
140701 CATTTCTGGT CATAATTTAT CAAGTTAGTT GGCATTTCGG AAAGCAAAGA
140751 TGAAGTTCCA TTCAAGGAAA TAGAGTGCTG ATGGGTCCCA ATTAAAGAGT
140801 TTTGGTTGTA CTCTATTTGC ACTGAATCTT ATGTAGTTTG TTTTTTGTAA
140851 CCATAAAACT CTCATAAAGT GACTTTCTGT TTTCAGGTCT TCGTCTTTTT
140901 TTCCTAATTA TATGATGGAT CATTATTGCC TATAAGTGAT TGTTTTATCT
140951 AATTAGTTTG CTGTTACTTG AAATCTAAAA CAAAAGGTAT TTTGTTCATT
141001 TTTTTGTTCT TTGGCTATTT GAATTGAACA CAATGGAAAC TGATAAAGAA
141051 CTACTGATAG ATATACCAGA AGTATAAAAT TCCCAAGATA CTAAACTAAT
141101 TTTATGCATT GTTAAACTAC TCATGGAATA GGAAACAGA GAAAAATTTC
141151 ATAAATTAGG AGGCATTTCT ATGTAATATT AGGCTGTAAA CAGTCACTGA
141201 TTTAATTCGT CCAAAGCTAT CATCTCTTTT CTATGATAAC ATTCAGATCA
141251 AATCATATAA TTAGTCCCAA AGTGACAATG CATAAAGAAG AATGTTTCTG
141301 GGCTGGGCAC AGTGGCTCAC ACCTGTAATC CCAGCACTTT GGGAGGCCGA
141351 AGTGGGCGGA TCACGAGGTC AGGAGATCAA GATCATCCTG GCTAAGATGG
141401 TGAAACCCCG TCTCTACTAA AAATACAAAA AATTAGCTGG GCGTGGTGGC
141451 AGACGCCTGT AGTCCCAGTT ACTTGGGAGG CTAAGGCAGG AGAATGGCGT
141501 GAACTCAGGA GGCGGAGCTT GCAGTGAGCT GAGATCGCGC CACTGCACTC
141551 CAGCCTGGGT GACAGAGCGA GACTGTCTCA AAAAAAAAAA AGAAGAAGAA
141601 GAAGGTTTCA AGAATTTAGT TTCTAAATTC AGGATGTTTC GCAATTGAGC
141651 AAAGAATCAT GATATTTGCT AGTCTTTACT GTCTTGCTCA TGCTAAAATCA
141701 AATTATTTTG ACTACTTAAA ATTACTGAAA AGATAAGACA TGGTAATTAG
141751 CCATGAAGCA GAGGATTGCA GCCAGCACAT TGTAAGTAGA GCATAGATAT
141801 ACTATTTGCT TGTTAGTCAT TGAAGTCTTT GTATTTCAAA AAAATCGTAT
141851 ATTTCGTGCT TATGAAAGTA TCTAATTATA ACCAATATTT TATCTCTTCT
141901 TTGCCCTGTT TAATAGATTC TTTGGGACTT GAAGAATAAA TAAGCCTGAT
141951 ATTTACTTCT CTTCTGTGTG TTCATTTAAA TTACGGCACC TTTGAATAAG
142001 AATTTTTGTC ATATTTTATA TTGTAAGAGG AAATGCTGCA TGATTCTTTT
142051 TTCAAAGTAT TTTACTACAT TTGGGAAAAT TAAAAATGCT GTTAAGGGTA
142101 ACATAGCTCT TTGGAAAATG GATAATATGA TAGGGAGTGA GACGTTGAGG
142151 GAGGAAGGGG AGTTGAATTA TACTGGGCTA ATAATAATAT TAGATAACAT
142201 TCCTTTAGTG CTTCTTACAT ACTAGAAACT ACTTACATTG CTTTACAGTA
142251 AAGAAAAACT CACAGAAAGG TCCCTGCATT AATGCAAAGT AGGATATTAT
142301 ACAATTGGCA GTTGACTCTA GTACTTTGTC TTACCTCCTG ACTAGCTTAC
142351 ATTTTTACCT TTTTCAAGGT TATGATGTGG TGAGTAGAGC AAACTGGGCA
142401 GTAAATTATT AGTCAACCTT GTCTTAGGCA ACAATCCTGT CATCAAAAGT
142451 GCAGACATGT AGGGTTGGCC CAGTCTCCTC TGACTGACGA AATGAGTACT
142501 GACTAACCTG TAGATTTCCC ATAACAACTT CTATTGTCCA GGACATTTCA
142551 TAGGATCCTA AGATCCTGAA TCATACTCCT TAGCTGACAG TGATTACTTA
142601 GTAGTGCCAA ACTTCAAGTA GGACTAGAAC AGATTTGGAA CTAGGAACAT
142651 ATTCCTGAAA CTTAGGGTCA TTAGCTAGAG AGGCTCATCT TTTTTACTTA
142701 ACTTCCAAGT AATGTGACTC CTTTTGTTTG GACCCCACTT AGTGTATTAA
142751 CTCCTAATCG TTGTGTTTAG GTGCTATTCT CATCTTCCTT TCACAGGTGA
142801 GAAAACGGGG CTGTAGACAC CTAAGTACCT ACTCAAGGGC ATGCATCACT
142851 AATAACAGAG CTTGTATTTG AATTTAGATA TATTGACTAT AGAGCAGATA
142901 CCCTGAGCCA CTTTTTTGTT CAACTACGGT ACCACATAGC CCAGGATTCC
142951 AGGTGTAGGT AGTTAACTAA CCTTCAAGCT TGTTTNNNNN NNNNNNNNNN
143001 NNNNNTGCGT TGGGGATAAA ACAGTGAACA GTAACCTAGG GACAGGTTCC
143051 TTAACCTCTC TAAGCCTTAG TTTCTTCATC TGTAAAGTGG AGTTAATAAT
143101 AGTAAATTCT AGGTTTTTGG AAGTAAATAC ATTTATAGCG CTTAACATAA
143151 TACCTGGTAT TTAATAACTA CTAGAAAAGT TCAATGTTTC TTCTTAGAGT
143201 AATTTTTGCA AGATATTCTT AAAATAATAA TGATTTCCAT ATAGGTTGAA
143251 ATATAGTAAT TGAGATTGAA ATGAATCTAC CTCGACAGAG TTTATACACT
143301 AGTGAAAGAA AACTGATTAA ATAAACATT TGGGAATTAG AAAAAAATATT
143351 CTACAGTTGA CACACAGTGT GGCATTTTGT CACTCTAAGA TGCCATCAGT
143401 TATAAGATAC ATCATTATTT TATGTAACTT ACTGAAGAAA TATGCTGAGA
143451 AAATGGTGCT GAGAAATCAC CAACTACAGG AGACATTCTG ACCTGACAAA
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FIGURE 300

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143501 TTTAAAATAT GAAAAAAAAT TATCCTAGAT ATAGGAGAAA ATTTTGTTGT
143551 TTAGGAGATA GGGAAATGAT TTATTCTGTT TTGTAACACT AAAGCTTTAT
143601 ATAATGTATT GGGGTATTGT TTTATGACTA GAACATAAAA ACATGATCAA
143651 ATATATTTAA AAAAATGAAA AAGGTGAAGT GCTCAGTTAA AAGCTGACTG
143701 GTATCTTCTG TGTGGCACTA GAGAATCTAT ATTAATAACT GCTTCTCCTA
143751 TAGCTGTTTC TGCATTTATA GTCCAGAATT GGTTTCCACT TAAGAGTGGT
143801 TAGGGAAAAA AATAAAAAAG TTCTAAGCTA GCTTTCATTG AAAATGAAGA
143851 TCTCAGGCTT AGCGGCATTC TGAAAAGAGG TCTGCGTTTT AAAATAATAA
143901 TCAGGAAATG AGGTACCCTC TTTTAAGCAG CAGCAGCATA TCCAGATTTG
143951 AGGTAAATTC AATACATTCA TGATGTTATG TACTGTAAAG GAAATTTTTG
144001 TAGGCATCAT TTCTCTAAAT GACACTTTTC AAGAAGGGTT ATAAATTTTT
144051 TAATGTGATT TTTATGGTGG TTTATAAAAT TTCATAAAAT CATAGAACTT
144101 TATAAATGGA AAAGTTCTTA GAAGTCATCT AGTACAACCT TTTATTTTTC
144151 AGAAGAAACA TGTAATTCTT TTGTGGCCTA GACAAGACTA GAACTCATGT
144201 CTTCTGATTT AATGCTCTTT GAACTATACT ACTGCTGTTT CATATATTAT
144251 CAGGATTTAG GATAGAAAAA GTACATTTAT TTCAGGGTAA AAATTCTCAT
144301 GTATCTAAAT ATTTATGAAG AATTTTTTTA TGTTTTAAGA AACTCTAGTA
144351 GTCACAACTT AGATATTTTT AGCCACTATT ATTTTTATGT CCATTTTGAA
144401 AGTTACTAAA ATCAATGGCA TTTTTCTGGT AAACAGTTTT TTCCAATTTA
144451 TACTTAATTG CCTCACATAT AACATAATTT CATATTGGTA AATTTTAAAT
144501 AGTAAACAGT AAACAAATGC TGAGGAAAAC AAAGCAAGAG ACGAAATGGA
144551 AAATGTGTAA CAGATTTTCT CTTATAATAG TTTTATGTGG TATGAGAGTT
144601 CTATGAGTTT TTTTATTTGT GTTTTGTCTA TAAGTTGTAA CTAAGTACTA
144651 TAGCATAATT TTTCAAAGGC ATGAGATGAG TTTCCTTAGA GAGATGGCCT
144701 GTTGCAGCAT TTTACTAGGA ACTGGGAATT CTTTGTTATG TGTAGGACAC
144751 ATAGATTTCT TGCTGTAGCT ATCTCACCTT TAAAATCAAA GTTTGCTTAC
144801 ATTTTACGTG TACCATGAAA ATTATCATAA GTAATGCTTT AACTCAGAGC
144851 AGTATATGTT GGCTAGCCTT CTTTTTTGGG GTTTCTTACA AGCCAATTTT
144901 GACTGTGGGT GTGTGAGATT TTAAGAAAAT GAGGCTGGGC ACGGTGACTC
144951 ACACCTGTAA TCCCAGCACT TTGGGAGGCT GAGGCGGGCG GATCACGAGG
145001 TCAGGAGATC CAGACCATCC TGGCCAGCAT GGTGAAACCC CATCTCTACT
145051 AAAAATACAAA AAATTAGCTT GGCATGGTGG CGCACACCTG TAGTCCCAGC
145101 TACTCGAGAG GCTGAGGCAG GGGAATCGCT TGAACCCGGG AGGTGTAGGT
145151 TGCAGTGAGC CAAGATTGCA CCACTGTACT CCAGCCTGGG CAACGGGGCG
145201 AGACTCCATC CCCCCCAAAA AAAAGAAAGA GAGAAAAGAA AATGAACAAA
145251 TTTACATGCC TACCATTTGG GACTTGTTAT GATATTTAAA ATGTATACTA
145301 GGAAAAAATA TTTTAAAATT AAAAATGAGT ATATAAGATG CTGGTATATA
145351 ATTTGGGTAG GGCATTTTAT TTTATTGGAG GAGTTAGGAA ATTCATGTAT
145401 TCTGTGAAAA TTTTTAGTAC TGGAAAATAG AATCAGTATA ATAATTACCA
145451 TAATGGGAGT GAAGTTTCTT AAAGATAGGG GTAAGCACAT TTTTTTTCTG
145501 AAACAGTTCA GTTAGTAAAT GTAGTCTCTG TTACTGCTAT TCATCTCTGT
145551 TGCTATAGTA CAAAAGCAGC ATGGAAAATA TATAATCAAA TGCGAAAACA
145601 ATTGGTTGGT CAGATTTGGT CTGTGCCTAT AGTTTGCCTA CCCCAGTTTT
145651 AAGATACCGT AATATCCCTT TGATCTGTGG TCGTATATGT CTTTTTGAATA
145701 GCAATAATTT GGAAAGGGGG CTTGACTTTT GAAAGGAAAA GAAAGTTAAT
145751 GCTTTGGGAA TGTCTGGCTT ATATATTAGC TGTACATTTT CCCCTATTGT
145801 GTTGCCTATG TCTAGCAGAT AATAAAGTCT TATGAAATCA TTTCATTATG
145851 TTAGTGATTA AGCATTTGTA TTTAAACTTT TTCATAGAGT TGTTTTTTGAT
145901 TTCCTAGGAT GTCAGTTTTA TGGTTTTTGT TTCCTACTGA AGCTTTGAAA
145951 GTCAGCCAAG AATATTTCTC AGTTCATAAA ACATTTTCAC TATGCTTTTC
146001 TCCAGCTAGC TTTCAATGAT CTGTGGAAAT AAAGAGCAAA GGCCGTATGG
146051 GTAATAGGAA TGCAAAGAAT TATTGTCACC TAATCTTCAG CATTAATTAC
146101 AGCCACTGTT TCATCCTACA ACAAAGAGCA AATTGGAAAA GTTTGAGTTT
146151 CACTGCCTTT TATTTAGAAG TACCTGATTG GAGGTGTCAA TAAAACATTT
146201 CTAAATATGA ATATTTTATT AAGAGTAATC AAATAGCTCC ACATAGATGC
146251 TACATAATAA CAGCATAGAA TCACAATTTT ATTAAAATTC AAAAGACTTA
146301 TGTATATATT ACCTAAATTT GCTCCCTCAT TCATACCTGC CAACAAGAAT
146351 GAAATCTTCA AGGAAGTGAA AATGTCTTCA TTCTCTTACC TCAGATGTCC
146401 ACCACAGTGC CTAGCAAAGA TGCACACAGA TAGTTTTTTG AATAAGGGAA
146451 TAGAAACTCA GAGAAACTAG AGATTATGAT CACTCCACTG GTTATTCAGA
146501 GTTCGACTTA GTGCCACGTG TGAACAAATT TTCTTTTAAA ATTTGAGACT
146551 TGTAAAATTT AAACTGAGAC TCTTACATAA TTTTATCTCC TGCATTAATG
146601 TTTATAGAAG CATCATCATC TTCATGGTAA AGAATCATTG GTAAGCTTTG
146651 GAATAATTTA CCTCTCAAAG AACTCCAAAA AGAATTACTG AAGTGCTAAG
146701 CCGTGCTAAA AACATTTAAT GGTTTTTGAA CACAATAAAT TTAAAAGTGG
146751 GTTCGACTCA CAAAACTTTG TCAGTGTGCC AAGTATACAG AAATGATAGA
146801 TATTCTTTTT AATATAGCTG TTAGCAGCCG TAATTAAAGG CCAACAAAGG
146851 ATAGCAGCAG TGATGAGCAT TATCCATTTT AGGCCAGTGA GAACACATTT
146901 TGAAAAGAC TGCTGCCATC CATGATATAT TAATTAATTT GTAGAAAGGT
146951 CTCCATGTTA CTCTCTGCAC AAAAGGCCAT TCAGTCACAC TTATTTTATT
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FIGURE 3PP

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147001 GTAGGGTAAT TTAACAGTCT TTTTTTGCGT AAACAAGCAC CTAAGTCAGT
147051 AGGTTCCAAA TCCTGTGTTT CTACAACCAT ACTTAGAGCA TATAAATGAT
147101 GATCCTGTAT TATCAAGGAC AAATGCTGTA TAGAATCCTG TGGCACCCTC
147151 TTCCCAAACA AAAGCTGAGT TGACTGGGAA TACACAAAGA AGGAGTGTAG
147201 GTAGAAAAAA ACAGATGAAG AGAACTTTTG GTATAGATTC AAGAAACCAA
147251 AGAAATACGG ATTTTCTTTT TGTTGGCCTA TTTCCTGAGC CAAGCATTTC
147301 TGCATCTGAG CACAGAATCT TACAGTATGT TGTTAAAAAT ATTTTGTCTA
147351 TTTTAGAAGG ATTTACTTAA ATTTATTTTT AATTATAAAA ATATCCGAAA
147401 AGTATAAACA TATTCTTATC TGGAAATTTT AGCTATGTAA AATAAATAAC
147451 TACTTGAGGA ATTTGAGAAG CTAAGCAATT ACTACATTTG AACAACTAAA
147501 ACAGTTAAGA CTGTTAAGAC TAAAACGTAA AGTACTCTAA TTACCAATGT
147551 CTTAACAATC TCCTAGTAAT ACAGCAACAA AATCTCTATT AGGAGTGTAT
147601 TAAAGGCTGA CTGTTCTGGG CATGCCTCAT AGTTATGAAG GATTTCAGAG
147651 GAGCAGTTCT GATCTTAGTA TTCGCTTGGT GGTTTTCATG GCAAAATTTA
147701 AGGAAATTTG ATACTTTGAA CCATATTGTA AGTAAGGCTA AGTAAGGAAC
147751 TGACTGTTAA TCTGGATGCA TCTGTTGACC CATGCTGTTT GAAGCTTCTG
147801 AAAATCTTCT ACCAGACATC ACATTCTTGC TCTTTTCAGC AAATATTTAT
147851 GTATCACACA CCCGTTAGTT TAATTTATAA CTTTAAAAGA TTTAAAAGGT
147901 ATCTTCATTA TGCCAATTAT AGTGCTGACA CTTACAATGA CTAAAAATTA
147951 ATATTTAATT AATTTTTATA ATTATAATTA TTATAATGCC CCAAACTGCT
148001 ATCTAGTGAC ATTTTCTTTG TGCTAAGTAC TGTGCTAGAT CCTTTATATG
148051 TTTTATTTAA TTTTGAGGAA GTGTCTTAGT CCCCTTGGGC TGTTATAACA
148101 GCATAATTTA GTCTGAGTGG CTTAGAAACA AAAGTTTGTT AGTTCTGGAG
148151 GTTGTGAACT CCAAGATCAA GGTGCTGTCA TATTTGATAT CTGGTGAGGG
148201 CTGCTTCCTT CTTTATAGAA TGCCATCTTC TCACTGTGTC CTCACGTAGT
148251 GAAAGGGGCA AAGGAGCAGT CTGGGGGCTT TCTTACAAGG ATACTAATTC
148301 CATACATGAG GGCTCCACCT TCATGACCTA ATTACCTCCT AGATATCCAC
148351 CTTCAGATAC CATCACTTTG GGGGTTAGAT TTCAACATAT GCATTTTGGG
148401 AAGAGGCAAA TATTCAATCA CCAGGCAAGT ATGATCCTTC GCATGTTTTG
148451 ACTGAGAAAA CTGAGCCTCA CAGACAACAA ACAAGGTGAA AAGTTGCCGT
148501 TTGAACCCAA GCATATTAAA TATCAAAGTC CTTTCCCAAA TTCAAAGCAA
148551 CCTTCCCAAT GAGTACTAGT CAATGAAGGT TTATTGGTTT TCTTTGGGTT
148601 GTTGTTTCTT ACGATTACTA TAGATTTTTA TTTTTTATTT TACTATTTCT
148651 AGATCTGTGA TATTAGGAAA ATGGCACACG TTTAAAAGCA TTTAATCTGC
148701 TTAAATTTCT AGGTAGTTGG CTGTCAGAAA GTAAGTTTGA ACTGACATAT
148751 TAATTTTCCT TATTATTTCT TGTGTTGGAT TATGTTTATG ATATCAGTGC
148801 CTGCAGGTTC AGGATTGGGA AACAATTCTT TTCAAAAAAT TGCTTTTGTC
148851 AGGTGGTAAA TTGAACTGTG AGTTTAAGAA TCACTTGTTT CTCGGGCTGG
148901 GTGTGGTGGC TCACGCCTGT AATCCCAGCA CTTTGGGAGG CCAAGGCGGG
148951 TGGATCACCT AAGGTCAGGA GTTGGAGACC AACCTGACCA ACATGGAGAA
149001 ACCCCGTCTC TACTAAAAAT ACAAAATTAG CCGGGCGTGG TGGCGCATGC
149051 CTGTAATCCC AGCTACTCGG GAGGCTGAGG CAGGAGAATC ACTTGAACCC
149101 AGGAGGCGGA GGTTGCGATG AGCCGAGATG GCGCCATTGC ACTCCAGCCT
149151 GGACAACAAG AGCGAAACTC CGTCCCCCTC CAAAAAAAAA AAAAAGAATC
149201 ACTTGTTTCT CTTATTCTGT GTTTGAATCA AAACTATACA AATGTAATGA
149251 ATATTGTCTG TGTTAGTGTG GAATTTTTAC TGGGAAATCA TGGCAAGATG
149301 GAAAAATACA TGCTTTTTATG TCACTCTCTA TGTTAACAGT TTATACAAAT
149351 CTGCAGTTAC ATAGAGCACA TGCAGCTTAT ACATCTGTAT AATAGCTGAC
149401 AAAGGTAACT TGTGTGTCTT TCTGCATTTA TAGGATATCT TATTAATCTA
149451 AAATAGGTTC CTGCTGAATG TTGATCATAA TCTAAAATCT AGTTTATCAT
149501 GTAGGTGATA AGCTAGATTA CTCAAGACAT TATTGATTTT GGACATTTAT
149551 CAAATGGTTT TTGCTTTCAT ATTTTTTCAAG TTTTGTTGAT TATTCATTGT
149601 TAAATATTTC TTCAGTACAG CTTCCTTTCA ACTGTAATAA ATAAGGAACT
149651 TTTATTTTTC TTCTGGAGTA CTGATTAAAA GATGGCTGTA GTAGATATTT
149701 CAGCTTTACC ATGGCACATT GGTGTATTTG GCTTACAAAA TTTTTAAAAA
149751 TTATTTATGA TGGAATGAGT ATAGGCTCTG GAATCAAGTA AATGTGCTTT
149801 TAAATCCCAA CTCTTTTATT TGCTAGTTGT GGAATCTTAA GCCATTCAAC
149851 CTTTCTGTCT CAGTTTTTTA ATGGCCCTCA CAGCAGTATT TACCTCACAG
149901 CACTATTATT GGGATTACTT AACTAATACC TGTAATGCAT GACACAGAGC
149951 AACTTACACA TGTGTCAACT CTTATTAATA CAGTGTCTGG GAAGTAGGTA
150001 TTCAATGAAC AAATAGATAAT CTTCATAATT ACTTAATTTC GCCTCACAGC
150051 ACTGTGTGGG AAGTCAGAAT TCTCCATTTT CAAGGCTAGA AGTGAGGCAC
150101 AGGTAAACTT CCTGGTGTAA ACATAATTAT ATACTGACGT TTAGTAATGC
150151 TGTAAACAAA TGGTTTATCA GAAACAAGGA GGTTTAATTT TGTTTATGGG
150201 AATCAGAGAT CTTTTGAGGA GATTATTTTT AAAACAGCCC AAAAAAGTGA
150251 GCAAGAAACC TTAAGAAATC CTTGATGTTG TTAGACTCTT TAAATATTTG
150301 TCAAATGTA ATTGCCAGCT GTATAACATA GCTGGAATTT TAAACATCCA
150351 TAATTTCCCA TAATTTTAAA CACTAGGGAA AAATGCAGTA TGTGCAACAC
150401 AATATAATTT TGCTTTTCTC TAGAGTTGTT TTTCAAGAAG TCCAGTCTAA
150451 CATGGATTTC TTTAGTTCAA GAGTTTTGTG ATATTGGAAA TGATTTATTC
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FIGURE 3QQ

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150501 AAAATGCATT TGTTTATGGA AGAACAAACT TCTTTCCTAG GGATAGAGAT
150551 TGTATTCTAT AGGTAAATTT ATTACTGTAA TATTAACCTG TTTTATTTGG
150601 AGTGATATGT AATGTTTGTG TTCACATTTT TTAATTGACA AAAATTGTGT
150651 GTACAATGTG ATGTTTTGCT ATATGTATAC ACATAAAATG ATAACATAAA
150701 GCTACCTGAC GTATCTGGCA CCTCACATAT TTGACACTTT TTGTGTGATG
150751 AGGACATTTA AAATCTACTG TCTTAGCATT TTCAAATATG TAATACATTA
150801 TTATTAATTA TCATAACCAT GCTGTATATC AAACTTTTTA AGATGTTTAA
150851 AACATGAATT CCTATTCTTT TTTTTTTAAA CTGAAAAAAA ATATGGTTAC
150901 CTTCTCCGGC CTATCTCCTT TTCTTTCTTC TTTCACTTAA GGAAATGATG
150951 TTAAAACATT TTAGTTTTTT TCATAACTTA TAAATTGTAT CTTTATTACA
151001 GATTTTTACT TTTTGAAACA GTAAAAATCA TTGACAAAAA TGATGTTTTT
151051 AAAATAATTT TATTCTTCAT GAATTATAAC TTGTTTTATT TGTATACATG
151101 CTTAAAATTC TTAAAAATAT AAATTTGTCT CTTTTTCTAT TTTTACAAAA
151151 TATCAAGGAA CTAGAATAAT GTTATCATCT TCAAGGTATT TATGCGGTGA
151201 AAATGTAATT CATACTCCTC CCAAACTTTG CTATGGAGAG GGGGAGTATT
151251 TTTAGAAAGA ATCTCTTTTT ATGTGTTTGT TCCTGTCCAA ACTTATTTTC
151301 TCTCAGGTGG TTGTACTCAT TACTACTTCT TTGTCAAAGA AAACTGACTC
151351 TTTCTCAAGT ATATAGGTTT CTTAATCTTA GTAATTTATT TTGAAAGAAG
151401 TTCACGTCGG ATTTGTCAGG TCAACTAAAG AAAAGGAAAG GCAAAACAGA
151451 ATCTAAAACA TTTAGATGTA TTGTTGACAT TTTTAATGAG TGAGCATTTA
151501 CAGGTGTGTA TGCAAACAAG TAGTACCATA ACATTTACAG TTTCTGTTTC
151551 TAGGATAATT CATATTTAGG ACTCAGAAAT GCCCTGTTTG TACCTGTTTT
151601 AATATTAGTC ACTGATTGCA GAAGTTATTT TGCATAGATG ACTTTTGGAA
151651 TAAATCTTAA ATGTAAATGG TGGTCACAGA CAGTTATCTT TAGTTAGAAG
151701 TAATTTTATT GCCTTCAACA TTTCAGAGTT TTGAGTCCAT TCTTGATCTC
151751 TTTGATTTCT TTCAATAGTT TTGGGACATT CTCAGATAGT ATTTTTTTTT
151801 TTTTTTTGAG GCAGAGTCTC GCTCTGTTGC CCAGGCTGGA GTGCAGTGGC
151851 GCGAACTTGG CTCACTGCAG CCTCCACCTC CCAGGTTCAA GCAATTCACC
151901 CTGCCTCTGC CTCCTGAATA GCTGGGATTA CAGGCGCACG CCACCATGCC
151951 TGGCTAATTT TCGTATTTTT TAATAGAGAC AGAGTTTCAG CTGTTGGCCA
152001 GGCTGGTCTT GAACTCCTGA CCTCAGGTGA TCCATCCATC TTGGCCTTCC
152051 ATTCTCATAA GGGGACTCTA TACTTTTTTT TTAGGCCTTT CCACTGGATT
152101 ACATATGTCT TTTGCACTCT ATTCTGTTTC CATTCTTTTT TTTTTTTTTT
152151 TGTCACTTTG TGTATTCATT TGGATGCTTT CTAGTAACCA GTCTTCCATT
152201 TTAAGAATCC TCTGTTCTGT TTTCACTAAT CTCCCATTAA GACTATCTTT
152251 TGAGTTCTTA ATTTTTATTA TAGTTTTTAG GTTTAGGATT TCCCTTTGAT
152301 GGTTTTCTAA TGGATTCCAA GTCCCTGGTG AAATTCAACT TTTTAAAAAT
152351 TTTGCTGTAG TTCATGTGGA TTTTTGTTTT TACTATATTA GCACTATCTC
152401 TTGCCAGATT GTATTTTAAC TTGTTTCACA GATTGTAATT CACTAGGATC
152451 TCTCCTCTTC TTAAGAGAAA ATTAAAAGGG AGATGGGATT AAAGCCAAAT
152501 GATACTCTAG AAAGCCTTTT TCAAAAAATT TCTTCTTTCA TTTATAGAAT
152551 TTAGGGTTTC GAGGAATGGG ATGAATAGAG ATGTCTATGC TTTTGTTGAT
152601 AACATGGTAT TTTGGGTTTT TCTCAATTGT TCCATCTCTT TTTTGGGGGC
152651 GGTGGGAACG GAGTCTTGCT TTGTCGCCCA GGCTGGAGTG CAGTGGCGAC
152701 ATCTCAGTTC ACTGCAACCT CTGCCTCCTG GGTTCAAGCA ATTCTCCTGC
152751 CTCAGCCTCC CAAGTAGCTG GGATTACAGG TGCATGCCAC CATGCCCGGC
152801 TAATTTTTGT ATTTTTTTCAG TAGAGACGGG GTTTCACCAT GTTGGCCAGG
152851 CTGGTCTCGA ACTCCTGACT TTGTGATCCG CCCACCTTAG CCTCCCAAAG
152901 TGCTGGGATT ACAGGCATGA GCCACCACGC CCAGCCTGTT TTATCACTTT
152951 ATAATCATTA TTTTTACTGT AGCTTACTTA ATGCCTTGTG TTGAGTTGAG
153001 CGTCTAAAGC AATTAGGATA TTGGTAATGT TTCTGTTTGT GAAATGATTT
153051 ACGCAATCTT GGCTTACTGT AACCTTCGCC TCCCAGGTTC AAGCGATTCT
153101 CCTGCCTCAG CCTCTCGAGT AGCTGGGATT ACAGGCGCCT GCCACCATAT
153151 CTGGCTAATT TTTNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
153201 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
153251 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
153301 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
153351 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNGC
153401 CGGGCATGGT GGCTCACGCC TGTAATCCTA GCACTTAGGG AGGCTGAGGC
153451 AGGTGGATCA CCTGAGGTCA GGTGTTTGAG ACCAGCCGGA CCAACATGGA
153501 GAAACCCCAT CTCTACTAAA AATACAAAAT TAGCTGGGCG TGGTGGCACA
153551 TGCCTGTAAT CCAAGCTACT GGGGAGGTTG AGGCAGGAGA ATCACTTGAA
153601 CCCAGGAGGC AGAGGTTGCA GTGAGCCGAG ATCATGCCAT TGCACTCCAG
153651 CCTGGGCAAC AAGGGCGAAA CTCCATCTCT AAAAACAACA ACAACAACAA
153701 AAAAAAAACA AAAAAAAAAG AAAGCTCCCT GAACTGGGTG CAGTGGTTCA
153751 TGCCTATAAT CTCAGCACTT TGGGAGGCCA CAGGAGTTCC AGACCAGCCT
153801 GAGCAACATA AGACTCCCAT CTCTATAAAA AATTTAAAAA AATTAGCCAG
153851 GCACGATGGC ACAAACCTAT AGTTCTAGCT ACTTGGGAGG CTGAGGCAAG
153901 ATCACTTGAG CCCAAGTGTT TGAGGCTGCA GTGAGCCATG ATGGCACCAC
153951 TGCACTCCAG TCTGGGCGAC AGTGAGACCC TGTCTCAGAT TAAAAAGGCT
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FIGURE 3RR

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154001 GCATGAAAAG TTTTTTTTTT CCTTACCTGT GATTTAAAAC AAATTCAAAA
154051 TAAAAAACAG TTATACAGTT TTAGTTTTTC CTTATTTTCT GATGAGTTCT
154101 CATGTAAAAA CTGCTTATAA TAAAGCTTAG ATATGATATT CTTTTAACTT
154151 AGTTATCTGT TGATGTGTAC AGTTATTTAT GTTTGCAACA TTCATCCTAG
154201 GGTTTAAGAT ATAAAATTAT TTTTTAATTA TATGATGAAA ATTTATGTAC
154251 ATTTAGATTG CCTTTATTTT TATTTTTATT TGTTTTTTTT AGAGATGGGG
154301 TGAGTCAGTC TCTTAGCCTT TTTTTGGGGG GTGGGGGGTG ATAAACAAGT
154351 AAACATAGAA GAGATTACCA GTCAGTATAT ATTCAGTGAC ATTTTATGTC
154401 TTGGGTTAGG GATTTTTTTC CCCTCTTAAA GGAGACTTTT TGCTTTTGAC
154451 CCCCAAAAGA AATCAGTGTA GAAATAAAGA TAACTGCAAC ACTGTCTTTA
154501 GCCTTATTTT GAACTCAGAC CTATCTACTG AGTACTATCT ACTATCTACT
154551 GAGCTCAGGT CTATCTTCAG AATACTCCCA TCTAGATGTT TCAGAAGTAC
154601 CACAGATTTA TACTTGTTTT CTCTTTGGTG CAGTTGTTAT TCTACCCAAG
154651 ATCATTTTGG GGAAACTCAA GCCCTGTGCT GTGTGTGTGT GTGTGGTGGT
154701 GGTGGGGCGG GGGGGTTGTG TGGTGTGTGC ATGTGTGTAA GTGAAATTTT
154751 TTTTTCCTGT TGTTGTTTTT TTTTTTTTTT TTTGAGACAG AGTCTCACTT
154801 TGTTGCCCAG GCTGGAGTGC AGTGGCGCGA TCTCAGCTCA CTGCAAGCTC
154851 CGCCTCCTGG GTTCACACCA TTGTCTTGCC TCAGCCTCCT GGGTAGCTAG
154901 GGCTACAGGC GTATGCCACC ACGCCTGGCT AATTTTTTGT ATTTTTAGTA
154951 GAGATGGGGT TTCACCATGT TGGCCAGGAT GGTCTCGATC TCCTGACCTC
155001 GTGATCTGCC TGCCTCGGCC TCCCAAAGTG CTGGGATTAC AGGTGTGAGC
155051 CACCGTGCCT GGCCCCTTTT TTTCCTATCT TAAAACCACT TACTGGCTCT
155101 GTTACCTGCA TGATGTCTAA GTCAAGAACT GTGAAAGATC TGGGGTTTTC
155151 TACTTGCAGG CTAACAAGTA GCCTTCCACA GTTGCATGGA TACTGGCAGA
155201 AACCATGAGG CTCATGGGTC AGAAACGAAT GACTTCATTA TTCACAGCAC
155251 AGCAAGCAGC AAGAATATCT GTATGTTTGT ATCAGTTCCT CCTTTACACT
155301 GCATCCAAAA GAGGTGATGC ATATGGGCCA TATGGATATC TGCACATCTG
155351 GTAGGTTGCA TTACAGGACA GGAATCCCAC TCTTGGTTAA CTCAGATCTT
155401 TTATCTTGGG CAGTAAGCTT GCCTGCCCTT TGCCCCTGAG GGAGGTAGAT
155451 GAATTGTGTA GCTTCTGAAG CTCTAACCAA ACCTACTCTT TGCTCTGGAG
155501 GGGGACGTTG TTTCTTGTTT TTGTTCTTCA CCATTTTAAG TGTACAATTC
155551 AGTGGTACTT CAGTATGTTT ACAATATTAT GCAGCCATCA CCACTAATTC
155601 CAGAACATTT CCATCACCCC AGTTAGTGCC TTGCTCATAA GACTGAAGAA
155651 ATGTGAAAGA CCCGTGGAGA ATTGTCTCCC AAAACACACA TTATTTGTAA
155701 GAGAAAATCA TATCTTACAC AGATTATATT AATGGCAAAG TAGCATGGGA
155751 GAGGGTCACA GAAGTGGGTT GGACGATTCC GTTAAAAGCA GGGAACATTC
155801 TAGTTAAGGC ACTTGGATAG GCATTGGGTG AGAGTTTTCA TGTCTTTTCT
155851 GCTAGATTGT TCCTGTTTTT TTTCTCTATG TGCACCTGAT TTTATGCTTT
155901 TTTTCATCTA GCACATTATC TTTAATATAT TTGACATTGA ACATTTGTTT
155951 GTTAAACCAC CAAAAAGTTT CAAACAAGAG AAATCTGTTT TGACTGTTGG
156001 AAGGCAGAGA CAGCACAAGA TTAGCCTGTT CTGCTGAAGT CATAGTTCAA
156051 CCTTAATGAA CGTCAAGGAA TAAAAGACTG TACATATGAG GTGTGTAGTA
156101 TTAGCGTGTT TGTGAAATCA TATACCCAGT AGAACAAAAC ACTGATTTTG
156151 CTGCTTTTGA ATGTGCACAT ATTATTTTTG TGCATTAATA ATAGCTAGTC
156201 AGTGTTTGGA ACTGAGACTT TTGTCTAGAA TTGTATAGAG GTAAAGAGCA
156251 TGGATTTACG TAGGCTTAGT AGAAGAACTA ATTTTAAAAT AAATGGTCAC
156301 ATCATAAGAC CTAAGTCAGG TTATCAATAA ATATTTATAA GTGTCTGTAA
156351 CTTGCAAGGC CATGTCAGGT AATGTTCAGC AGTCCCCAAC TTCAATCTAG
156401 AATGGAGATG GCTACCAAAA AGTATCTTTG GATTCCTAGG ACCCACAGAG
156451 ATTGACTCAG TGGGTTTGAT TGTTACCCTG GATTCATGGG TAACACTAAA
156501 TGGTTACCCA TGGGTAATCT AAAGCACAGC TAGATTTCTG AACCTTTATT
156551 TCAGGATAGC TGAAAAACAT AGAGATGAGA CATTAAAGCC CCCAGTCCTC
156601 TAACAGCTAC CTCCGACCAG TTCTTTGTTT AGCATAAGGA TTACCTTCAC
156651 CTAGGAACTT TTTGAAGTGT CCAGTGCCCT CCTTTGTGCT CTGATTTTCT
156701 TCTGTTTTGC ATTGTTTGAG AAGTTATGTT GTTATTACTG TTTTTATGAG
156751 GGGAATGGTG TTAGGAATGA GGGGTTCTCT TTCTATAACA CTCCTTGAGG
156801 GAATAGGGAC AGTCTTCTTT AATCTTCTCA TTTCTGTTTC CTAAAGTAGT
156851 GCCTGCCAGC TAGTGTTTAT TGAACAAATA AATTGAATTG AATGAATTGT
156901 TATACATTCT AATGAAATTA TTCCCCTTAT TTTTCTTCCA GTCTTCCTCC
156951 TGCCATGCCA CAATGATCTT TGCCTAACAT GAGATAAAAC TTACTTAGCT
157001 ATTTTTTTAC TGCTTGGTAA ACTCAAGTAA TACATTCACA CTTTCCAGTA
157051 AGACACTTGG CCATCTTACT AATTCATTGG GAGAAATAGA GAGCATATAT
157101 ATAACTAAGG ATAGGATCTG ACATTATTTG GATGTAGCTC CTGTTTAGAAG
157151 GCAAAGCAAG CAATAACATG CATAAATTAG ATGTGGCATG GCCCAGGATT
157201 TTGTCTTTTG ATGAAAGTAG GCCATTCCTT TGGAACTGTT TAGTTATGTT
157251 CCATGAACTC CTCTAGGTAG GGCACAAAAA TTAGAAGAAT TCTGTTTTAT
157301 CTAGTAGTGT AGTCAGGTTA ACATTTTTTT GTTGATGTGT AACCCTCGCC
157351 AATGCTAGGA GTATAACCTT CCTATTGATA AATCCAGTTG TTATTTTTTA
157401 TTTCTTTACT TGACTCGAAA ATATTTGACA CAGTTAACTC CAGCTTTTTT
157451 TTTCTTTTCC TTCTTTTTTT TTTTTTTTTT TTTTTGAGAT GGAGTTTTAC
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FIGURE 3SS

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157501 CCTTGTTGCC CAGGCTGGAA TGCAGTGGCG AGGTCTCAGC TCACTGCAAC
157551 CTACGCTTCC TGGGTTCAAG CGATTCTCCT GCCTCAGCCT CCCGAGTAGC
157601 TGGGACTACA GGCGCCCACT ACCACACCCG GCTAAATTTT TGTATTTTTA
157651 GTAGAGATGG GGTTTCACCG TGTTAGCCAG GATGGTCTCG ATCGCCTGAC
157701 TTCGTGATCC ATGCGCCTTG GCCTCCCAAA GTGCTGAGAT TACATGCATG
157751 AGCCACCGCA CCTGGCCAAC TCCAACCTTC TTGATACACT ATCCCCTTTA
157801 TTCCTTGGTT TCCTTTCTTC TTCTCTGATA CCCGTAACTT TCATATATTG
157851 AAGCCCTAAC CCCGAATGTG ATGGTATTTA GCGATGAAGC CTTTGGGAGA
157901 TAATTAGGTT TAGATGAAGT CGTAAGGTTA GTTCCCACAT GATGGGATTA
157951 GTGCCTTTAT AACAGGAGAT AGCAGAGAGC TAGCGCTCTC TCAAGTTTGT
158001 GCTCTCACTC TCTCTCTGCC ATCTGAGGAC ACAGCGAGAC CGCAGCCACC
158051 TGCAAGCCAA TAAGAGAACT CTTGCTGGAA CTTGCCCATT CTGGCATGCT
158101 GACCTTGGAC TTCCATCTAC CAGAATGTGA GAAAATAATT TCTGTTGTTT
158151 AAACTACTGA ATTTATGTTA TTTTGCTCTG GCAGCCCCAT CTGACTACTG
158201 CACACCCCTT CTCCTTTGCA AATTCCCCTA TCACTTCCTG TACCTAAAAT
158251 ACTGGTGTTA GCATTCTCTT CATTATGCAT TTACCTTTCT TCTAACTATG
158301 TATTTTTTCT CGGTGATCTA TTTCCATTCT CCAGGTACCA TCTTTATGAC
158351 AAGGACTGGT AAAATTTGTA TTTCCATTTT GTACCTCTTT CTAACTCTAA
158401 ATATCTAAAT CTCCAGTTGT CCCACAGGAC AACCCACCAT GTTTACAGTT
158451 AAAGTTTTTT TCATCCGGTG ACTCCATGGA GACATTAGTT TATCAGCCCT
158501 ATTGATTGTA TTTCCTTAAT ATTTCTCACA TATATCCACT TCTGTCTCTT
158551 TTGCCATGAT TTTAATTCAG ACAGCTAACT ATCCGTCCTG GATCGGCTCCA
158601 ACATTTTTCT AATTGACTGA CATCAATAAT ACTCTTAAAT TTATTTATTT
158651 TTTCTAAATA GACTTTTTTT TTTTAGAGTA GTTTTGGGTT CACACCAACA
158701 TTGAGTGGAA AGTACAGAGT ACTCATATAT ACTCTGTCTT CAGAAACACA
158751 CAACCTCCCC AGCTGTTAAC ATCCTGTGGG AGAGTGATAC ATTTGTTACA
158801 ATCTATAAAC CTACAATGAC ACATAATTAT CACCCAAAGT CCATAATTAA
158851 CATTAGGGTT AACTCTTGGT ATTGTACATT CTGTGGGTTT GGATGAATGT
158901 GTAATAACAT ATATCTACCA TGATACTGTC GTACAGAATA GTTCCACTGC
158951 ATTAAAAATC CTTTGTGCCA TCCCTGTTCA TTTCTGCCTC CTCTGTAACC
159001 AGGTGTTAAC CTGGCAACTG ATCCTTTTAC AGTCTACGTA GTTTTGCCTC
159051 TTTTGGAATA TCCTATACAT TCCTATGCAG TGTTCCTGTA GTTGGAATAA
159101 TGCAATATGT AGCTTTTCCA GATTGGCTTC TTTCATGTAG TAGTATGCAT
159151 TTAATATTCC TCCATGCCTT CTCATAACTT GATAGCTTAT TTCCTTTTAG
159201 CACAGAATAA TATTCCATTG TCTGGACCTA CCTCAGTTTA CCCATTAACC
159251 TACTGAAGGA CATCTTGGTT GCTTCCAAGT TATGAAGACT GTGAATAAAG
159301 CTTCTGGGAA CATCTGTGTG CAAGTTTTTT GTGGATATAA GTTTTCTATT
159351 CCTTTTGATA AATATCCAGG AATGCAATAG CTGGAACCTG TGGTAAGAGT
159401 ATTTTTAGTT TTCTGAGAGT TTATTTTTGC AACTTCCAAA CTGTCTTCAA
159451 GAGTGGTTGT ACCATTTTTT ACCCCATCAG CAGTGAATAA AAGTTTCTGT
159501 TGCTTCACAG CTTCATCAGC CTTTGGTGTT GGCAACTTTC CTGATTTTGG
159551 CCATTCTAGT GGGTGTGTAA TGGTATCTTA TTGTTTTCAT TTGCAGTTCC
159601 CTAATAATAT ATGATGTTGA CCATCTTTTC ATATGCTTAT TGTTTGTGTA
159651 TTTTCTTTGG TGAAGTGTTT GTTCAGTTTT TGGCCTATTT TTTAATCTGC
159701 TTGTTTTCTT GTTGAGTTTT AAGAATTCTT TGTATGTTTT GGATAACAGT
159751 CTTTATCACA TGTGTCTTTC GTAGACACTT TCTCCCAGTC TGTGGCTTGC
159801 CTTCTCATTT TCTTGATGTC GTCTTTTACA GAGCAGAAGG TTTTTGTTTT
159851 AATAATGGCC AGCTTATCAG TTGTTTTATT TGTGGATGAT GTCATTGCCA
159901 TTGTACCTAA ATAGTCATTT CCATACCCAA GGTCATCTTG GTTTTCTCTT
159951 ATGCTGTCTT CTAGGTGTTT TATAATTTGT GTTTTACATG TAGGTCTGTA
160001 ATCTACTCCG AGTCAGTTTT TGGAAGAAGT GTAAGGGATG TGTCTAGATT
160051 CATTTTTTTT GCATGTGGAT GTACACTTGT TCCAGCATCA TTTGTTAAAA
160101 GGACCATCTT TGCTCCCTTG TATTGCCTTT GCTACTATGC CAAAGATTAG
160151 CCAGCTGTAT TTATGTGGGT CTATTTCTAG GCTCTGTGTT CTGTTCTGTT
160201 GGTACTTTTT GTGTGTGTGT CTGTCTCTCT CTCTCTTTTT TCTTTTTTTT
160251 TTTTTTTTGG TCACTACCAC ACTGTTTTGA TTACTGTCGC TTTATAGGAA
160301 GTCTTGAATT TGGATAGTGT CAGTCCTGCA ACTTTGTTCT TTTCCTTCAA
160351 TATTGAATTA GCTATTTTGG ATCTTTTGCC TCTCAGTATA AACTTTATAA
160401 TGGGTTTGTC AATATTCATA GAATAACTTG TTGGGGTTTT GGTTGGGATT
160451 GCATTGAATC TGTGGATCAA GTTGAAAAGA ATTGACATCT TAACAGTGTT
160501 GAGTCTTCCT TTCCATGAGT GTGGAATATC TCTCCATTTA TTTAGATTTT
160551 CTTCAGTTTT CTTTCATTGG TGTTTGTATT TTTTCTCATA TAGATTTTGT
160601 ACACATTTTG TTAGAGTTAT AACTCATTTT TTTGGGGTGC TAATATAAAT
160651 GATAATGTGT TTTTAATTTG AAACACTTTT TAATTGCTGA TATATAAGAA
160701 TGCAGTTACT TCATAGGTTA ACCTTGTATC CTGCAACCTT GCTATAATTG
160751 CTTATTAGAT TCAGGAGTGG TTTTGTTGAT AATTTCACAC TTTTTACATA
160801 GATGATCACA TCATCTGCAA AGACACTTTT ATTTCTTCCT CCCCTATCTG
160851 TACCTTTTAT TTCCCTTTCT TATGTAGTGT GATGTTGAAA AGGAATGGGC
160901 AGAAGGGTCA TCCTTGCCTT GTTCTTAATC ATAGCAGAAA AGCTTCTAAT
160951 TTCTCACCAT TAAGTGTGAT GTTAGCTGTA GGTTTTTTGT AGCTGTTCCT
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FIGURE 3TT

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161001 TACCAAGTTA AGGAAGTTCT GCTCTATTCC TGGTTTGCTG AGAGGTGTTT
161051 TTTTGTTTGT TTGTTTTTAC CAATAATGGG TATTGGATTT TGTCAAATAT
161101 TTTCTTCATC TATTTATATG ATTATGAGAT TTTTTTCTTC AGTCTGTTGA
161151 TGAGATGGAT TAAATTAATT GATATAATGT TACATCAGTT GTAACATCAA
161201 TTGTAATGTA ATGTTTTCAA GTGTTAAACT AGCCTTGGGT ACTTGGAATA
161251 AATCCCACTT TATAATGGTA TATAATTATT CTTTTTTTTT TTTTTCTTTT
161301 TTTTTTAAGA GACAGGGTCT CACTCTGTTG CACAAGCTGG AGTGTAGTGG
161351 CACAATCATA GCTCACTGCA TTCTTGAACT CTGGGCTAAT GTAATCCTCC
161401 CACCTCATAA TTATTTTTAC ATGTTGTTAG ATTTGATTTG GTAAGATTTT
161451 GTTGAGGATT GTTGCATCTA TGTTTATGGG CAATATTTGT CTGTAGTTTT
161501 CTTTTTTTGT GATATGTTCG TTTGGTTTTG GTATTCGTCT AATTGTGGCT
161551 TCATAGAATG AGGAAGTATT CACTCTGCTT CTATTTTTTA AAAGAGATTA
161601 GAGAACTGGT GTAATTTTTT CCTTAAATGT TTGGTTGAAT TCACCAGGAA
161651 ACGATCTGGG TTTTGTGCTT TCTGTTTTGA AAGGTTATTA ATTATTTATT
161701 TAATTTCTTT AACTGACACA GGCCTATTCA ATTTGTTTAT TCTTGTGTGG
161751 GTTTTGGCAG ATTGAAGTTT TTAAGGAATT TATTCATTTC ATCTAGGTTT
161801 TCAAATTTTG GGCCATAGGA TGTCTTAGTT TTTTAAAATT ATCCTTTTAA
161851 TATATATAGA TCTGTAGTGA TGTGTCCTCT GTCATATCTG ATATTAGGAA
161901 TTTATGTCTT TTCTCTTTTT TTCGTAGATA GCCTGGCTAC AGGCTTATTG
161951 ATTTTATTGA TTCTCTGAAA GGACCAACTT TTAGTTTCAT TGTTTTTTTC
162001 TCTTTTGACT TCCTATTTTA GATTTCATTG ATTTCTGCTC TAATTTTTAT
162051 TATTTCTTTC GTTCTGCTTA CTTTAGCTTG CTCTTCTAGT TGCTTAAGGT
162101 GAAAGCTTAG TATTGATTTT AGATCTTCTC TAATATATAC TCTCAATACT
162151 ATAAGTTTTG CTTTAAGTAC TGCTTTCTCT GCATTGACAA ATTTTGATAA
162201 GTTCTATTTT CTTTGTATAT TTATAGACAA TAGAACTTTG ATAAGTTCTA
162251 TTTATATATT TATAGATACA TATCTATAAA ACTAGTGTAT ATATGTAAAT
162301 AGTATATATA TATGTGTGTG TGTGTGTGTG TGTGTGTGTA TATATATATA
162351 AAGAGAGAGA GACAGAGACA GAGACAGGGT CTTGCTCTGC TGTCCACACC
162401 TCAGTGCAGT GGTGTGATCA CAGCTCACTA AGGCCTCAAC CTCCCTGGCT
162451 CGAGTGATCC TCCTGTCTCA GCCTCCCAAC TAGCTACAAC TACAGACATG
162501 CATCACCAAG CTTGACTACA TTTATTTTAT TTTTTATGGA GATGGGGTCT
162551 CACTCTGTTG CCAAGGCTGG TCTCAAACTC CTGGCTTCAA GAAATCCTTC
162601 CACCTCGGCC TCCCAAAGTT CTGCCGATTAC AGGCGTGAGC TACTGCACCC
162651 GGCCTAAAAA TATTTTAAAA TTTCTCTTGA AGTTTCTTTT TTTTTCCTTT
162701 GTATTACAAG TGTGTTGTTC AGTCTTTTAA GTATTTTGGA ATTTTTTTTT
162751 TTTAGCTGTT TGCTGTTGAC TTTCAGTTTA ATTCTATTTT GGTCTGAAAG
162801 CAGACATTCT ATGATTTCTT TTAAATTTGT TCATGTGTGT TTTATGGACA
162851 AGAATGTGGT CTATCTTGAT GAATATTCTG TCTGAGTTTA TGAAGAATGT
162901 GTTGGCTGTT GCTGTATGAA TTAGTGTGTA GATATAAGTT ATATCCAGTT
162951 GAATTGTGAT TTAGTTCAAC TATGTTCTTA TTGATTTTTT TGCCTGTTGG
163001 ATCTATTTCT AATAAAGTGA TGTTGAAGTT TTCAGCTATA ATAGCGTATT
163051 CATCTGCTTC TCCTTATAGT TCTATTAGTT TTTGCCTCAC GTTTTGCTGA
163101 TTTGTTGTTA GATGCATACA CGTTAAGGAT TGTTCTGTCT TCTTAGACAA
163151 TTTACCCTTT TATCATTATA TAATACCCCT TTTGGTCTCT GAGAATTTTG
163201 CATGCTTGAA GTCTACTGTG TCTGGAATCA ATATGCTAC TCCAGCTTTC
163251 TTTGGCTTAG TGTTAGCATT GTATGTCTCT CTTCATTTTT TTTACTTTTA
163301 AGCTATATTT GTTTTTGTTG GTAAAGTGGG TTTCTTGTAG GCAATATATA
163351 GTTAGGTCTT ATTTTTTTAT TCATTCAATC TCTGTTCTTT AATTGGTGCA
163401 TTTAGGCCGT TGATGTGTAA AGTGATTATT GATATAGTTG GATTAATATC
163451 TACGATATTT GTTACTGTTT TCTATTAGTC GCCTTTGTTC TTCATTCCCA
163501 TTTCTTCTTC TCTTTCATGG CTTTAATTGA GCATTTTATG TTATTTTATT
163551 TTATCTCTTT TCTTAGACTG TTAAGTTTTT TGGGTTTTTT TGTTTGTTTG
163601 TTTTTCAGTT GTTACCCTAA GTTTTGCAAT ATATTTCTAC TTTCAAATAG
163651 CCCTATTCAC TTCACAGGTA GTGCAAGTAC CTTATAATAA AAAAAATTCC
163701 TAAGTTATCC TTCTCATGTC CCTTGTATCA TTTTTGTCAT TCATTTCACT
163751 TGTCCGTAAA CTATAGGTAT CAAATACATT GTTGTTATTT TGAACAAGCT
163801 TTTCTTAGAT CAGTTAAAAG TAGGAAAAAT TAAAGTTTTT ATCTTCTTTA
163851 TTTCTTCTTT CTCTTTCTTT ATATAGATCA AAATTTCTGA CCTATATTTT
163901 CTTCTTTCTG AAGAACTTTA AACATTTCTT GCAAGGCAGG TCTACTGGCA
163951 ACAAATTCCT TATTTTTATT TGAGAAAAAT TTTCTCCTTC ATTTTTTGAAG
164001 GATGTTTTTG CAGGATATAA AATTATACAT TGGTGGGTTT TTTTCTCTCA
164051 ATAGTTTAAA TATTTCGCTT CACTTTCTTT TTGCTCACAT GGTTTCTGAG
164101 GAGAAGTTAA CGTAATTCTT GCTCTTCTGT AAGTAAGGTG GTCCCCACCC
164151 CTCGACATAT GACTTCTTAA AGGTTTTTTA ATTTTCTGCC
164201 TATGTGTAGC TTTTTGTTTG TTTGTTTGTT TTTACATTTA TTCTGCTCAG
164251 TGTTCACTGG ACTTCCTGGA TGTGTATCTG ACATTAATTT GGGGAAATTC
164301 TCAGTGAATG TTTCTTCAAA TATTGGTTCT CTTCTTTCTT CTTTTGGTGT
164351 TGCTATTACA CATGCTACAC CTATTTGCTT CATAGTTCTT AGATATTTTG
164401 TTCTGTGTGG TTTTATTATT TTTTTTTTAA ATCTAGTCCA GTATTTTGTT
164451 TTCATAAAGT TTTCCTTATC CTTGCTTTTC AGTTTTGGAA GTTTGTATAT
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FIGURE 3UU

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164501 ACATATCCGT AAGTGCAGAG ATTCTTTCCT CAGCTGTTTC CGGTTGACTA
164551 ATGAGCCCAT CAGATGTAAT CTCTATTTCT GTTACAGTGT TTTTGATCTC
164601 TAGCATTTCT TTTTTATAGC ATTTCTTTTT GATTCTTGCT TAGAATTTCC
164651 ATCACTCTGC TTACATTACT CATCTTTTCT TACTTGTTGT CTACTTTGTC
164701 CATTAGAATC CTTAACATAT TAATCATAGT TTTTTAAAAA TTCCTGGTCT
164751 GACACTTCTA GTGTTTCTGC CACATTTGAC TTTGCTTTTG ATGTGTACTC
164801 AATTTCTTCA AACTGTGTTA TTTCTGTCTT CGTAGGCCTT GTAATCTTTC
164851 TTTGATAGCC AGACATGATA TATGGGATAA AATGAATTGC AGTAAATGAG
164901 GCTTTAGTTA TATAATGGTA AGGTGTTGGG GGGAGTATGG GAAGGAGTGT
164951 TCCATGGTCC TGTGATTAGG TCTGAGTCTT TTAGTGAGTC TATACCCTTG
165001 GACTGTGAAC TTCACAATTT TCTCCTGTTA GGTGGGACAG GATGGCTAGA
165051 TGGAGCTGGA GTTTTTTATT TTCATTCTCC CATGGGAAAG GCTAGAGAGG
165101 GCTGAAGTTG GGTATTTCTC TTCCTCTGGG TCAGTTGGTG TCTAATAAAA
165151 CCTCAATAAC ATAAGCTCTG GGAAAAAATA TTTTCTCTTG AGGAGCAGGC
165201 CTTTTTAAGA AGAGAATGCT CTAGTGTATT TCACAATGG TACTTTTCCT
165251 TCCTCCTGCC AGAAGCACAG GGTAATTTTT CTCAGATCTT CACTGTGAGA
165301 AGCTGGTGTA GTTGCTGAAG ATAAAACTCA CAAATGTGTG AGGGACCCCG
165351 CTCTATGACT CTCAGACTTG TCAAACACTG AACCCCCAGC AGTTTGTTAA
165401 TTGCATTTCC AGTTGTCCTA CCCTGGCACT GGCTCTCATG GAGGTTTCTC
165451 TTTGTGGGTT TCCGCTCCAG AAAGTTGTGA TTTTCTGTAC CTGGGCTGTC
165501 TGTCTCTCCA ATTTTGGGGG CAGTGATTTG CCCTGTGACC TTACTAATAT
165551 GATGTATCTA AGAAGAGTTG GTTTTTCAGT TTGTTCAGCT TTTTACTTGC
165601 TGTTAGGACA GAGCGAAGAC TTCCGAGCTC TTAACGTTCT GGACCAGAAA
165651 TTGGAACAAT GCTGTCCTTT TATTGTCTCT TCTCTACACT GCAGGCAGCC
165701 ATGGTGTTTC TCAAAAACAC AAATCTGATT AGGTCATGTC TCTAGTTGAA
165751 ACATCCCATT AACTGTAGCA TAAAATCCAA ACTCCATGAT TTGGATAACA
165801 AGGTCTTTGT TTTCAGCCTT GGTTTATTTT TCTGTACTAT CTTTTATAAT
165851 ACATTTTCAC TTTACTGTTA TGCTGAGCCA TTGTGCACTT TATCCAGTTT
165901 TTAGTATTCT GTGTTCTCTC TCTTTCCCTC CTTTCACCCT TTGCTTGCCT
165951 GATACCCACC AAGTTTTTAG GTTTTACCTT AGAAACCATC TTTCTTATGA
166001 CAGCCCACCT TGACTCTCCT GAGACCTGTC CATATTACCT TCCTGAGTTT
166051 TTTCTGGTAT AGAATCACAA GTGATTAGCA GAGTAGATAC AATTAAAGGC
166101 CTCCGATGTA ATTTATTGGC AGCCTGAAAT ATTTACTATG CTTGTAGTAA
166151 TTATGAAAGA CCTCCTAAAG CTTTTGCCAA CTGTGTTTCT ACTTGACAGT
166201 TAAACTCCCA CGTGGAAAAG TTATATTATG GAGATTCTTT TGAAGGATGT
166251 TGATAGTGTT TGGCTCTGTG TCCCCACCCA ACTCTCATGT CAAATTGTAA
166301 TCCCCGTAGG TTGGAGGAGA CTCCTGGTGG GAGGTGATTG GATCATGGGG
166351 GCAGATTTCC CCCTTTCAGT TCTCATGATA GTGAGTGAGT TCTCATGAGA
166401 TCTGATGATT TAAACGTGTG TGGCACTTCC CCCTTCGTGC TCTCTCTCTC
166451 TCTCCTCCTG CCATGTGAAG AAAGTCCTTG CTTCCTCTTC TCCTTCAGCC
166501 ATAATTCTTA GTTCCTGAG GTCTCCCGGT CATGCTTGCT GTTAAGTGGA
166551 ACTGTGAATC AATTAAACCT GTACTCTTCA TAAATTACCC AGTCTCAGTA
166601 GTTCTTTATA ACAGTGTGAG AACGGTCTAA TACAGATATA GAATCCATTT
166651 GTTTATAGTG TTCAATGTTT ATTCTTACGT AGAGTCAAAA AAGCAAATTT
166701 GTGTACCGGC AGAGTAGCTA CCTGCAAGAA TTAGTGCCCA AAACAGTTCT
166751 CATTGACTTT GCAAGTACTC TTTGGTCCCA TATATTTTAA ATACTGGAGA
166801 AAACCATGTT AAATTAATAA ATTAGCGTTG TGATTTGTAT GACAACCTCA
166851 TGTGCATTTG ATTAGTGTGA GTTAGAGGCT ATTCTCCTGT GGATACACTA
166901 AGTCAAATTT TTGAACTTAT AAGTCTAAAT ACTTAACTAA ATACTTTAAC
166951 TTATAAGTCT AAATACTGTC ATTTAGAGAT GCTGATTACC TTATTATTAA
167001 ATATATTACA TGATGATTAT ACTGAGGTGT GCTTCTTTGT CACAGGTGCT
167051 AACAAAGTTA TTGGGTGTGT ATCTCCTTCT ACTTTACGTC CTCTTCCACC
167101 CAAGTGCATC TAATTGAATT TACATGTTTA ATACGCTTAC AATGCTGTGT
167151 TACTCTATAA TTGTCCACTC AGTTGTTTAT TACATATTTA TCAATTCCAA
167201 ATAGGTCTTG GAGGAAATCC AAGCTATTGC TAATGAGAAT TATTTTGCAC
167251 ATTTTGACTG TGTGATACAG GGTTTTGTTC ATTAGTAGGA TCTGTTGAGT
167301 TTACTTCTTT TTTTTTTTCTT TTTTTGGGAC AGAATCTCAC TCTGTTGCCC
167351 AGGCTGGAGT GCAGTGGCGT GATCTCCGCC CACTGCAACC TCCACCTCCC
167401 AGGTTCAAGG TATTCTCATG CTGCGGCCTC CTGAGTAGCT GGGATTACAT
167451 GTACATACTA CCACACCTGA CTAATTTTTT TATTTTTTTT AGTAGAGACG
167501 GGGTTTCGCC ATGTTGGCCA GGCTGGTCTT GAACTCCTGG CCTCAAGTGA
167551 CCCACCTGCC TCGGCCTCCC AAAGGTTTTA CAGACGTGAG CCACTGCGCC
167601 TGGCCCGAGT TTATTTCTTA AAAACTTATA TTTAGTAATT TTTTTGTGGT
167651 CAAAGGACAT GAAGTTAAAG GATAGTGTGT TTAGAACTGG CTTTGTAATG
167701 GACTTGGTAC GTAAACCAAA GGAAAAAAAA CTAGCCTGCT TTCTTTGCCT
167751 GTTTCTCAAG AAATCGGGAT TGTGGTGATT ACCTACCTTC TGATGTGTTT
167801 TAAAAATATT CTTAATATTT ATGAAGAAAC ATCAGAAATA TCCTAGTTGC
167851 TGTGGATGCG TAATGAGTTT TTTATTTCAC ATAGACTTTA GGTTTCATGT
167901 GAGGAATGGG TTTGCATCTT ACTCAGTTTT TTATTCTAAT TTCTGTCAAC
167951 ATATTTACCA TGTAGAATAT AAACATTGAT TGAACAATTC TCTATGTATT
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FIGURE 3VV

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168001 TGATGAACTA TTTTAAATAA TCTTATATCT TGTTTTCCAG TGCTTTTATT
168051 TCTGACATTT ATTTAAATAT TTTTGTTTTG GAATGAAAAT GAACATGGTT
168101 GATGATAGAG GAAAATAAAT GATTTGAATA CAGTTTGTTT TGAGATATGA
168151 TAATGCAGTA AATAAAGTCT CAAATGCATA CTTCATATTT GAAAATAGAC
168201 ATGATTTCTC TTGTTATAGA CTATAGAACC TTTAAAAATT AATAGATAAT
168251 AGTATTTGAA GATAAGTAAA GATATTTTTT AAACCGTACT TTCAAAATCA
168301 GTTCTTTAGG TGCTGGGAAT GTAGCCGATC GTGTTTTGGC TCAGCTCTTA
168351 ACAGAAATGG ATGGGATTGA ACAGCTAAAG GATGTGACCA TTTTGGCAGC
168401 TACTAACCGT CCAGATAGGA TAGACAAGGT AAGAGAGAAG GCATTGTGGA
168451 TATTATAAAA TCAAGAACTG GCTTGTTTGA TTTTATCAGG TTTTTGTTTT
168501 TGTCAAATTA CTTTCTAATC AGTATTTCAT TTAGAGGATA TTGAAGAATG
168551 TAAAGCAGGT TCACTGTGGA CTGGTTACCA TCTTGTCTGA GTCTGGTAAG
168601 ACAGAACATT CTTGCATACA AGTTATACAA AGCAAGTTTA CCACTTCTGG
168651 ATAGGCAGCA AGATACAACA GAAGCCTAGG ATTCATTGCA AGCTAGTCTC
168701 TCAAGGTTCA GGAAAACTGC CCTGGGTGAA TGGAATCTTG ACTGCATATG
168751 CCCCACTTGC ACTGCAGCTG AGGGCCTCTG GAAAGCACCC TGTTCCAGGT
168801 TTTATACACT GAGTATGTGA GACTCACTGG GCTAAAGTGT TGGAGGACAT
168851 CCTGTTTTTA GGGGAGGACT GGAGTAGAAC CTGGGCTGTT CCAGCCGGTC
168901 CCTCCCTGTC TCAGGATGTT GCATTTCCTG CACATGCTAC AGTTATTCTT
168951 GAGAGCTACG ATGGGAGAGA GAGAACTTGG TCATTCCAAG ACCACCCAGA
169001 GAGCTGTCCT ACAAAGGATC TTAAACTAAA GGAAATGAAG AGAACAAAGG
169051 AAAGCTTTTA TTTACATTTT TATTGCTTAT GATTCAGTAT TAATGAAACT
169101 ATTTCATAAC TCTTCAATAT CTACTCCCCA ATCTTGTATC TTACTTTTAG
169151 CATATTTCTC TAGAGAATTG AAGTTTTGAA ATTCTTTGTT TCATCTAATT
169201 TATTCTTCCA GAGTTTTCAA CATTTTCATC TATACGAAGG TACATTCTAG
169251 CTATTTAGCA AGTACTAGTT AGACTCCAGT TGCCATCAAC ACAAGAACTT
169301 TGAAGAAGTA CTGTCCTAAT TGTTGTTTTT AAAGTAATTA GAATAAAAAT
169351 AATGGATTAT TCTATTTTTT TAAGAAGTTA GTCAGGCTGT CACATTAAAT
169401 TAAGTAGTAT AGGTGCAAAA CCAGTCTTTT TAAACTATTA CTACCACTTT
169451 TTCCCTAGGT CATAATTTAA TAAAGGAGTT CAGTAATTTA AGTTCCTCAT
169501 CTATATCTAA TATGTAATAT TTTATAAGGA TTTAAGTTGA GTAAACATTT
169551 GCTCTCAGAG CGTGAACCAG TTTCTCTTTT TTGTTGTTGC TGGCATTATT
169601 GCCTTGTGTA TGACTTTATG AGCTACTTTC TTCCTGTGTA CATATACACA
169651 TTCTTTCAGT TTTAAAAGAT GTGATTTTTA AAAAGACCC CTTTGAATGT
169701 AACTATTATG TGGCAAGAAA GCCTTGCTTT GGTTAGGTAT TTTGCTATGT
169751 GATAAAGATC CTTTGGTAAA ATTCAGGAAA GCTTTGGACC TTAAAAAATC
169801 ATTCCCTTCC TGATGCAGTA TTTTATTAGA AGATAGGTGA GTTCTGAGTA
169851 TTTATAGAAT CTGGGTTGGT GTTAAGGCAT CTCTGAAGTC TATACAAAGT
169901 ATAAGACTGT ATCTTAACAA GGACTGTAGA AACTGCTGAA AGAGCCCTTA
169951 AAGTTTACCT AATTCTGCCT CTGGTTTCAC AAATAAAGGG TGCTGAATCC
170001 AGAAAAATCT TTCTCCTGGT AAGAATTCAT TGTATTTTTA TGATATTTAT
170051 TTCCTGGTTT CCCTGTGGTT AATAAGCTCT AAAATGTCTT AGGATTTTTG
170101 TCACTACGGC TTAATCTAAT AGTAGCCTTC TTTGGCTTCC TAATGTTGGG
170151 TGTCCTCGAT ATTAGATATA TTTCTTGAAG TAGGATGTAA GGCTTACAGT
170201 AAACTTAACT GCATTTTTCT AAATCAAGCT GTCTGACTTG GCCTGTTTAG
170251 TGCTTGTATT GTTGTTTTCT TTCTGTGTAA CAAATTACCA CAAATTTAGC
170301 AGCTTCGCAC CCATTTGTTA GTTCACATTT CTTAGGTTAG AATGTGGGCA
170351 CAGCATGACT AGTTTGTCTG CTCAGGATTT AAACTAAAGA CTGAAAACAC
170401 AGTGTTGGCT AGACTGCATT CGCATTAGGA GCTCATGTTT CTAAACTCAC
170451 ATGATTGTGG CACAGCTCAC TTGTGATTGG GGCTGAGAAC TAAAGACTGA
170501 ATTTCCTTAC TTGATGTCAG CTAGGAGCCA CTCCCAGCTC CTAGAGACTA
170551 CCCACATTCC TTGCCACACA GCCCCCTCCT CCATCAGAAA CAGCAATGGA
170601 AAACTCCATT ATGTTTTATC CCTGTCACAC TTCAAATTTC CTTTGCCAGG
170651 AAATTTGTCC CTTTGGAGGG CTCATCTAAT GAGGTTAGCC TTATTGAGGA
170701 AAAATCTCTG GACCTTGAAG TCAGTTGATT AAGGATCCTG CAAAAGCCCT
170751 TCGCAGTAGC ACCTAGATTA GCATTTGATT GAATAAGTGG GAGAAGATAT
170801 GTTTCTATCA GGGTGATACA GGACAGGCCA GCCCCAGAAT TGGGACATAG
170851 CCTAGGAGGG TTCTTTGCTA CCCCCAGGAA AGAATTCAAG AACTTGCTGG
170901 GGGTGTTAGA CAGCAATCTT TTATTGATTG GTACTGCCCG TTGTGGTGCA
170951 GGGCTAACTC ATAAGCAGTG CACCCAGAGT TGGCAAGGTG TGGGCTTTTG
171001 GCAACTGTAT TTATACTCAC TTATGCCCAC TTTCATTTAC ATGCAAATTA
171051 AAGGGTGAGT TAACACAAAT TGATTCTATG AAAGGGTAAC TTCTGGGTCA
171101 CTGCCATGGA AACGGGTGGT AACTTTTGAG TCATTGCCAT GACATTTGTC
171151 AACTGCCATG GTTCTGGTGG CAGTGTCTTA TGCCAATGAG CATTGAGCGC
171201 AGCTAGAGAT CGCTTTTGTT GCCATCTGCT GGCTTTGGCC AGTTTCTTCA
171251 CTTTGCCCCA TGTGGACTAG ATCCTGTTTT GTTCAGCAGA GTTTTTCACC
171301 AGAAAACAAG TCTTGTTGGT CTCCTACCTT ATTCCCCCCT CAGAGATTAG
171351 AAACTCCTCC TTAATCTTAA AGGGCTGCAG ATGGGCACAG GTCTATCTTC
171401 TGTAAGTGCT TTCTGCTGAT TTTATAAACA TAGGCTCTGC CTAGCATGGG
171451 AGGAGTAAAA ATCTCTGGAT ACCTGATCTA AGGAGCCCAA CAGCAGGATA
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FIGURE 3WW

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171501 TTTTCATTTT CTGGGTCAGA AGATAAGATG AGTTGGAAGC CTTGTGCCAG
171551 CATCATCTTT ATGTTGACTT TAGAAGATAC AAACTTTAGT AGGAGGTTAA
171601 ACAAGAAAAT TACAATTATA AGGAAGAGAA AACTTAATGC TCCTATGCCC
171651 ACCCACAGCA TCACATTATT TATCTGTGTG TTTGTGAAAT AATAGCTTTA
171701 AGTCTTCTAG AGGTTTGTAA GTTATGGTGT CTTCCTCTTA TGCCTGCAGC
171751 GACTTGCAAG AAACAGGTTT AATCCTGGAC AGCTGATATCC AGCTAGTGAT
171801 TCTCTAATGT TTGACAGCAG TGGAGGTCCT TAACAATACC TGATAGGGGT
171851 CCTTCCATTT TGGGTTGTAA TTGATCATCA GGGGATCTTT CTTTTTAAGT
171901 TCTTAGTAAG ACTAAGTCTG GTTAAACAGA GGAACTATTT TTTTCTTTGT
171951 GGGAAACGGC AACACTTTAT TTTCATAATT TTGAAAGGCC TTTTGAACCT
172001 GGCCTAAATT CCAAGAGCCG GGGTGGCATA GTGAAGTCTG TCCAACCCCC
172051 TATTTCCCAT CATGGCTTGA ATTAGTTTTT TAGGTTTCTG TAGGATTTCC
172101 TTTGGCCGGG GAACGTGTAA GTCAAAAGAC TTATAGCCAA TTAAACATTT
172151 TAGGCCAGAG AGGAATGGAG GTGGCTTAAA ACATTTTAAG CAATATAGGA
172201 GTCAAATATT AAAAGCCAAA AATAAGATTA TATATCAAGA AAAACCAAGA
172251 GCATCAAATC AAGCTATACT GGGGGAAAAG TGTTCCTGTA GATCTCTAAG
172301 GCAAAACACT CTAGTATCAG GCCATAACAG CAGTCAGAAC CAGAGGAGAA
172351 ACAAGTCACA GGAGCTGACA AAAAAGCTAA AGGAAAGAGT TACACAAATC
172401 TGAGAAGCTT TCAAAAGAAA TAAATCACAG AATTGAAAAA GCAAAAATTC
172451 TGGTAAGTTA GCAAATTAAT ACCTTAAGAA AAGCTGGCTC TAACACCTAG
172501 ACCATTTTCT AGAAAGTCTA CCACGAACAG TTTTCCTTCA GTCACAGCCA
172551 GCTTAATCAC ACACAAAACT CCCCTCACAA ATTCCCTTTC ACAAACCCCA
172601 TTATCACCCA CACAGACCAT CCATGACATG TCTGGACCTT GTGACCTGTC
172651 CTACACCATC TCCCTCTCAA ACAACCAGTT ACTTTACTCT AGGACAAGAA
172701 TCCACCATGC AAGGTCCCTC ATACAAAATC ACTTTCTTTA TATCCCTCCC
172751 CACAAAAAAA AAAAAAAAAA AAAAAAATAT ATATATATAT ATATGTGTGT
172801 GTGTGTGTAT ATATATATAT ATCTTTTATC CACACTTTCC TCACATCCCT
172851 CTTTTTATTC ATTGATTCCC TCTTATTTTG AACCATGGCC TAAATGTGCT
172901 GTATATATTC TGTAGTTATG GTGGGGAAAG TGCCTTCAGT ATTTAGTGAT
172951 AATTATAAAA AAGTTTAATA TTTAATTCAT TTCTCTTTCA GGTAGAACTC
173001 CCTGTGGAAC ATGAATTTTT TTTAACTATA CTTTTGTTAC TACTCAGATG
173051 ATATATACTG TATCAAAAGT GTATGTCCTT GTCAAGTTCT CTAAAGTTTG
173101 TGAAATACAA GAGAATATGC AGTAAAATTT TAAGTCTGTT TCCTTTCCAG
173151 ATACTTTTTC TCTGAAGAAC TACTGTGGAA CATTACTTAT ATTGTTTAAT
173201 AGTACTATAA AGTTGTTTCC ACACTTGTAT GATTAGCACG TAATGTTCAA
173251 ACTGTGCCAT GAATGTGCTG GTAGAAACAA AACAGTTTTA AGGACAATTA
173301 AAACAACAAC ATCCTGTTAT GAAGTAAAGA CACAGTTTTT ACCATCTTTA
173351 TTGTCTGGAA GAAACTGTAG TAGGAATAAA AGAGGCGACG AAGAGTTAAA
173401 GTACATTTTA TGTTTTTAGG CTAAAACTGA TTAAAAAAAA AAGATCATTG
173451 TAGGGTCAAA GAAATTGATA TATATAGTGT AATTTTGGCT ACATTAAATC
173501 CAGGCATTTG GCCTTTTAAA TTAGCTAGCA TATTTTACAA TCTTGTTGCC
173551 TCTTACCCCA CAACCTCTAT GTTATGATGA TTTTAGGTTA GTATGTTAAA
173601 ACAAGGAGAA TTCCTGGACT GTCACAGGAG TGAAATTGAT ATCATTATGT
173651 TACCCATGTG TTGTGCATAT TTAGTGTCTC TTTTTGACAG TATTTCAGTT
173701 TCATGTCTTC TGGGGAGACT AAAGCCAAAG TTTCTTGGGG ATTCTGGTGT
173751 TTTAGCAAAG ACAGTGAGAC ACATAGCTCA AGAACTGCGT TATTTTACTC
173801 CTTGCTATGT CACATTTACA TGTCAGACTC ATTTGCTGTG ATGTAGCACA
173851 CTAGGCTGGT GAAATAATTG CTTGTGATGT CCCTAAATCC CCGAGGCTTT
173901 TTTCTACCTC CTGCTTAGAT AGTGAAGAGA AGTTGAAGTT GCGTCCTCTA
173951 GTGTTCATTT TGCGTAAGAG TGATAGGATG CGGTAGGACA GATGAAGATT
174001 AATGAGATTG TGTGATATCA AGTAGGCTCA TTGTCTTTAG ATTGATTGCT
174051 GATGGTCTGG ATTTGCTTAG CATCAGGAGA GTTAGAAAC AAACAACTAA
174101 TTTATTAATG ATGCCCAAAT AATAGTTAAA TGCCCAAACT TTTGGAATTT
174151 ATGTTGTTCA TTGTTAACAA CTGCTGTGTG GCCCCTTTAG AAGTGTCCAG
174201 TCCATGACAT TTTATACATT TGTCTTGAAT CTTAAGGAAA ACATGATCAT
174251 GTCTTCTTTC TCGGGTGATA AGCATGCCTC AAAATAGTTT TAATTCTGTG
174301 AATATCTTTG AATTCAGTTT ATTTGGGTAC TTTTAGTACG GATACCTACT
174351 ATATAACAAG CTCCTAATAA GAACTATTAA ATTATAAGCA TTATCCCTAG
174401 CGTATAAACC TAGTTTTCTT GTAGTAGGAA ATTTGAAGGA CTTCAAAAAT
174451 TTTACTTTAA GCCATCTATG GAAAAGATTG CCCAATTGAG AAAAATTGTG
174501 AAAGATATGT AGAAGTCTTA AATAATTTTG GTTTCAGGAT TATTTTCTAT
174551 TGTTGTGTTA GACTCATGGA GGTAGTAAAT TGGCATTAAT TTTCCTTACA
174601 GTTTTTTCTGG AAGAGGAAAT ATGCTTAATG AGCTAAATAA GACATAACAT
174651 TTTGTTTTCT TACATTGTTG CAAATTGAAG TTGGGTTTTG TTGTTTGTTT
174701 GTTTTGAGAT GCAGGTCTGG CTGTGTTGCC AGGCTGAAGT GCAGTGTCTA
174751 TTCACAGATC ATTAAGTTGT GCAGCCTTAA ACCTTTGGAC TCAAGCAATC
174801 TCCTGCCTCA GCCTCCCAAG TAGCTAAGAT TATAGGTGTG CACCCACAGCA
174851 TCCAGCTTAA AATTTAGTTT TCTAGAAAGT TTTATGACAT GGGGAAAAGT
174901 TAATTAACAA TATTTAGGAA TGTCCACAAA TAAAAAGCTA AATATACGTA
174951 TCTTTCGATA TTCAAATGAC TAGTATTCCA AAAATACCCT CAGAAGAAAG
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FIGURE 3XX

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175001 GCTACAAATG TTTCTTCATT CTCCATTTTT CCTAGTTATA ACTATTGCTC
175051 TTCTAATATT ACTCTTCTTA GCTAAGTCAG AACTAAAAAA AAAAAAGCTG
175101 CAAGGACTAA TTGACATTAA TAGTTCAAAT GAATCATAAT TCTTTACTTT
175151 CCCAAAAGTA TTTAAGGAAT GGATGCCTAT TAATCTTTCA CATTGTTTAT
175201 CAAAATGATG TGAATAGTCT TTGGTGAGCC ATATTAAGAT TAAAGCTGGA
175251 AAGCCTTCCTG TACGGTTGTT TTCCAATTTC AGCTTTGCCA TCTTTACACA
175301 AGACTCTCAT AAGTGTTTTT GTTATTGTTG CTGGATTCTT CTTTTGTTTG
175351 TTTTTAAAAC TCCAGGTGTT TTAACTTCTA TGACAGTTAT TATTCTTATC
175401 TTCTATGGCA GCCCCTTCCA AGTTTTGGCT TTGGGGATAG AGAATTGGGA
175451 GAGATCAGAG AAGAGAGACT GGTGAGAGGT TGTATGCATA TGTGGGTCTT
175501 ACTTCATTTC GATGTTCATA AGATAAAGAC GCTTTATCTC AAGGGTTGGC
175551 AGACCATGGC CTTTAGGCCA AACGTGACCC ACCAACTGGT TTTGCATATC
175601 CCATTGTCTA AGAATAGTGT TTACATATTT AAATGATTAG GAAAATACTT
175651 TAAAAGTGGT TTTTTGTGAC ATATGAAAAT TATATGAAAT TCAGCTTTCA
175701 GTCCTCATAA ATAAAGCTTT ATTAGAACAC ATCCACACTA ATTTGATTAT
175751 GTTTTGTCTG TTACTCCTTT TGCACTACTG TAGTAGAGTA GTTACAGTAC
175801 AGACTTATGG CCTATAAAGC CTAAATTATA TACTCTAGAC CTTTGCAGAA
175851 AAAGTTTCCT GACTCTTGAT TTGTCCTTGT AAGTTTTTAG AAGATTAGTA
175901 GCCTTTAATG TCTGTTGTTC ATATATGAAC CTCACGTTTT TGTTTCTTTT
175951 TAAAAAGAT TATTTTAATT GACATAAAAA TTGTATCTGT TTATAGAGTA
176001 CAACATGTTG TTTTGATAAT TGTGTATTCA TTGTGGAATG GCTAGATCAA
176051 GCTATTTAAC ATGTGCATTA CTTCACATAC TTCTTATTTT TTTGTGATGA
176101 GGACACTTAA AACCAACTCT CTTAGTAATT TTTAAGTATA CAATATATTG
176151 TTAACGATAG TCACCCTACA GTACAATAGA CCTCTTGAAC TTATTTCTCC
176201 TGTTTAACTG AAGGTTTGTA TCCTTTGACC AATTCTTTCC CAACTCCCTT
176251 AGACCTCCAG GCCCTGATAA CCACCATTCT ACTTTCTGCT TTTGTGAGTT
176301 CGACTTTTTA AGACTCCACA TATAAGCAAG ATCATGCACT ATTTGCCTTT
176351 CTTTGTCTGG CTTATTTCAC TTAGCATAAT GTCCTCCAGG TTGATCCATA
176401 TTGTCACAAA TGACAGGATT TCCTTTTAAT AAAGGTTGAA TAGGATTACC
176451 TTCTGTATAC ATACCACATT TTCTTTATCC GCTTATTCTT CGATGCATAC
176501 TTAGGTTGAT TCCATGACTT GGATATTGTG AATAATGCTG CAGTGAACAT
176551 GGAGTGCAGA TGTCTCTTGG ACATACTGAT TTCATTTCCT TTGGATATAT
176601 ACTCAATAGT GGAATTGCTG GATCATAAGA TAGTTTTATT TTAAATTTTT
176651 TAGGAACTTC CACACTATTT TCTCTAATAT CTGAAGTAAT TTATGTTCCT
176701 ACCAACAGTG TACAAGGGGT CTCTTTTCTC CACATCCCTCA CCAACATTTA
176751 TCTTTCATGT TTTTGACAAT AGCTATTCTA ACAGGTATGA AATGGTATCT
176801 CATTGTGGTT TTCATTGGCA TTTCTCTGAT GATTAGTGAT GTTGAGCACT
176851 TAAAAAATAT ACCTGTTGGC TATTTGTATG TCTTCTGAGA AATGTCTATT
176901 CAGGTCTTTT GCCCATTTTT TAATCAGGTC ATTTGTTGCT GTTGAGTTCC
176951 TTATAAATTT TGGTATTTTA GATTTTAACA CCTTATCAGG TTTGGTTTAC
177001 AAACATATTC TCTCATTTTA TAGGTTGTCT CTTCACTATG TTGAATGTTT
177051 CCTTTGCTGT GCAGAGGCTT TTTAGCTTCA TGTAATCCCA TTAGTCTATT
177101 TTTTCTTTTG TTGTCTGTGC TTTTGAGGTC ATGTTCAAAA AATTATTGTC
177151 CAGGCCAGTG TCATGGAACA TTTTCCCTAT AGTAGTTTTT AGTAGTTTTT
177201 CAGTTTTAGC TCTTTATTCG TCTTTAATTC ATTTTGAGTT GAATGAGCCA
177251 CAGAGTTTTT TTTTTTAAAG ATTGTTAAA ATGTTAACA CATACGTTTT
177301 CTGAAGATAC ATTATAAGTC GTATTTGAGT AAAAAATATA ATACTGAACT
177351 TAAATAATAG TAGGGAGGCT GAATTAACTT ATTTCAAGCA TACACCATCC
177401 CCTCTTGAAA GCTCTCTTAA TCTTTAATTT TTTAAAATAC ATTTTCTTCC
177451 ACTAAATACT TATTTTTTCC AACTGACTCC CTAAAACTCA TAAATCTACA
177501 ATTGTTATTA CATGAGTAAT GTAAATATTT ATTCATGCCA CCTGAATCTT
177551 AAAGTTCCAT TGGTTATTAG CTTTTTGTAG TTATGAGTTG TATGCCCTTT
177601 TTAGTATTTA GCAACATTGG GATTTTCAGG CTTAGATTTC TAAATTTTGA
177651 AAGATTCTGT GTTTAGATAT ATTTGTTTAG TAAATAATAT TTGATGTTGT
177701 CAACGTGAAT TGAAGTATGT TTAATATTAG AGAAAGTAAT ACCATAATAA
177751 AATACATGTT GCTGTCAATA CCCAAGGTCT AAAAGAAATT GGTTTTTTCA
177801 AGACTGGAGA GGACATAGAA GGCTCCATGG TCTAGATGAC CCATCTGATA
177851 CACTGACACC TGTTGTAAAA TCCCAACCCA TCATTTCTTC ATCCTTTGCT
177901 TATTCACCCA CACTGATGGG GAACTATTAA TTCACGAAAT AGACCATTTC
177951 ATTTTTGTGT CAGACTATTA GGAAGTTCTT TAATCTGATG AACAAGCAGC
178001 TGTTGTCTC CCTAAACCCT CTATACCTCT ACCTGATTTT ATTCCAAAGT
178051 CTGTAAAGAG CAGTTTTTAA TCCTTCTTCT ATATGGTGTT CCTTTATTTT
178101 TTAAAACTGT TAGTTATCTT GTCTTTACAC TTTATCTCAC TAACCAGTCT
178151 TTTGTTTTTC AGGCTTGACA TTTTGGATTA TTTCATATGC CATTCTTTTT
178201 CCGTCTAAAG CATTCTCATC TTTTTCTTGT GAACTATTTG TCCTTTTTGC
178251 TCTGAAGTTG TAACATCCAC CAACAAATAT ATATTGATTG GTTGTGTTCT
178301 ATCAGTACAC AACTTAGTGA GACTCCTGCT GCCTCTACCC TGAATACCTT
178351 GCTTCTCCTA ATGCATTCCA GGATTTTGTT AGCTTTGTTG TCAGCTGCAC
178401 ATTGAGATTG CTATTGAATA AAGTCATCAG GAGCAACAAC AAAGGTGAAA
178451 AGCCCAGGTC TTTCTTCAAA GTCTGCTAAA TAATAGTTTT CACGCCTTGG
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FIGURE 3YY

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178501 GCTTGTGCAG TTAATTTGAT TTAAGTTTCA GCAACTGAGG CACAATATAT
178551 ACCAGATATA GAAGTTATCC TCCAAAATTA GCTCCTCTAA GTTTCTCCTA
178601 CTTTTCACAT GATTCCCAGA TATTCTTTTC TTTAAGTCCA AGTTGATTTCC
178651 CAATTATTTC CATGGCTATG GCTACAAAGG CTTTAGGCCA TAGGAATAGA
178701 GGAATTTATT CTTACTAAAT TCATCTTATT AGATTTGATT AATCTTCCCA
178751 ACTTGTCAAC TGTGGGATCT TGTTTCTGTC ATTCTCTATG TATTTCTTTA
178801 TTCATTGATA GCAAAGGCAC TATATATCTT AAATACCAAG AAGAATTTAT
178851 ATAGCTTTCT TTTTGAAAAA TTGTTTAAAG TATCTAGTTC AAGATCCCCA
178901 ATCTAGGTGA ACTTCATGGA ACATTTAATT GACATGGAGA TAATTAGGGG
178951 ATGTTCTGAA GAGTTACCAA AGAGAACTCC TAAAGAGAAA CTAGATGGTT
179001 GAGATTATTT ATGGAGGAAG AACAGATGAA AGTAAAATTC TGCTATTAAG
179051 AATACTATCT GGGTAAAGAA ATGCTTTCTG CTTTCTTTGG TGGAAATAGA
179101 TAAGAGTGAG CAGACTTATA TTCATTCATT GAAATTCAGA TAAATTCATA
179151 ACCAAAGTTT TATTATATAT ATACTGATAA GGTGAAGAGT TCAACACTAA
179201 TCTAGTTTGA ACTCCATAGA TATTTAAAAC CAGCTATTTT AATTTCTTTT
179251 AGCTTTAAGA CAATGCTGAA ATATGTACTT AATTTTCTGA ATACTTTGCT
179301 CTTTATAGTT GCCGTTTCAT GAATTTGTGA TATTAGACTT ATTGTATGAG
179351 GAGTTTTGTA TTTTTCTTCT TTGAACTTTT TGCTTATAGT GCTTTGGGCA
179401 CAGACCTTCC CAAACCTTAG TATTTCTGGA TGAATTTTTT GAGAGTGCAC
179451 AACATTGGAA AGGAGCTTTT GCATAATGCC AGCAATGTAG CTGAGGAAAT
179501 GGGTCTGGAG GAAAATGAGA TTTGACACCT GTAACAGAGG ATAAATATGA
179551 TAGGGGCCAG AGTGCCTTAT ACAGAGTGTG ATAGGAAAGC TCAAAACTAA
179601 CAGAAACAAG CAATGGAAGA GTAAAGGCAG ACAGATGGTT GCAGAGATCT
179651 TAGTTTCTGA TGCTAGCTGT GTTATTAACA GACTGTGTAT TATTTGAAAT
179701 AATTTATCCT CACTGAGCAT CTGTTTCTGT ACCTGTGAAA AATGTACTAG
179751 ATAATCTTTG ATATATCATT CAAGCTCTAC AATTATCTTC TTTTGTGACA
179801 CAGAGACAGA CAAGAATAGA GATTATCAAT GTTATATAAA AGGATGTTAC
179851 TTACCAAACA AGTTTCTGAG GTTTTTGTTT TTGTTTTTCT GTTTTGTTTC
179901 TTTTTAGGTA CCACCTTCCC AGACTTTCTT GTTACTGTAA CGTTTATTTC
179951 TTCAAACAGA TCATAAAGCA AGCAGATATT ATCCAGGTGT GCAAAAGTGA
180001 TTAACCATGT GATTTTCAGA AAAAAAAAAA AAAAAAAGAA AAAGCAATCA
180051 ATCAGCCTTT AAGGCTGTTG TTGTGTAATA AAAACCTTGC TTGACAGTTG
180101 AAGTACACCT TAACTTTTTC ATTTAAAATT TATTACTCTT TGAAAAAGGA
180151 GAACTTGTTG AGCAGCATAT TTTCTTTTTT CACAGATGTC TGATTAGCCT
180201 GCAATATTTT GGTTCTATTT AATATACTTT TAACTATTTT TTAATGAATA
180251 TGAATGTAAA AATAATGTTG AGTTAGAATA GAAATATCTA ACTGTATGAT
180301 TAAAGTTGAA TCACTTATAA ATTTGAAAAA GCTTCTTGTC TTCTATTGTT
180351 AATGCTCCTA GAATCTCATG TTTGAGAACG AATGTTCAGT GTAGCCAAAA
180401 CCTAAATCTG GGGCTATATG TTGAATGTTT TAAAGTCACT AGTAGAAGGG
180451 CAATTTGGTG GCTAATTTTA AAGTACATAA AGAGTATTAA CAATAATGAA
180501 GTGTCATTTT GTTCCTGGCA TTCTGTGTGT GTGTGTGTGT GTGTGTGTGT
180551 GTGTGTGTGT GTGTGTGGTG TCAAAAAAGT ATCTGAAGGG GCCTGTAATA
180601 GAAAACCTAG TTCCTTTATG ATATACACAA TCTAGCTTGA AATTTTGATG
180651 CATTAAATTC ATAAAACATG AAGAGTTTAA GCTTTGCAAC ACTTAATTGA
180701 CACATGCGTC AGAATAAGTT TGGAAAAAAA TGAACCTTCA TACATTTTGA
180751 CTTCTCTGTT TTCTATTTGA TAACTTTGGT ATTGCAGTTA CTCTTTTTTG
180801 ACACAAGATG GTGATGTTCA CCTGAAATGT TTCCTGAGTA CAGGCTCTAC
180851 TGCGTTTAGA GGCTCCCCCT TATTTATCCA AAGAGCAGCT TAAAGAAATG
180901 AATGAAACTG GCTTTGCTTT AAGAGATAAT AGTTGAAGAA AAGCAAGAGA
180951 GTGTGTCCTC TTTTATAACT GATTTAACAA ATAATGATTC AAATTTAAGT
181001 GTGGGTTTGT GTGAGTTGAG GACTGGGGAG CGGAGAGCAC TGGGAAAAAG
181051 GAAAGTTGAA CAGTGGAGAA TTAGCAGTCA TTAGGTATGC AGTATGCATT
181101 AAGTCTATGC TATGTGTTTT ACATATGATG TCTAGTTAAT TTTAGTCAAA
181151 TATGAGCACT TTACATGTAT TTTACACAAC ACTAGTGCAT TCCTTGTTTA
181201 ATTGTGCAAG TTTAGAAGTA CGGTGTGTGT TTGTTCTTTC TTAAAAAAAT
181251 TATGACGTAT CATCAGCCAG TGTAGTAGCT TTATTCATAA TTTAAGTGAT
181301 ACTGTTTCAT TTTTAAAAAT ACACAAGTTT CTTACATATA GTTAAATATA
181351 TATTTAACAT AGTATCCGAC AATCTCAGTC CTAGGTATTT ACCCAAGAAA
181401 AATGAATAAA TTGTCCAGCA AAGACCTGTT TGTAATGTTT ATAGCAACTT
181451 TATTTATAAC ACCTAAACAA CCCAAATGTC TACCTACGTG AATGAATAAA
181501 TAAGTTGCAA CATGTCCATA TGGTGAAATA CTACTCAGTC ATGAAAAGGA
181551 ACAAATTATT GATATATGCA AAGATGGATA AATTTCAAAA GCATTATGCT
181601 AAGTAAAAAT AGTCAGATAT AAAAGACTAT ACACTATACT GACATTGTGA
181651 GGATTGCAGG GACAGAAATC AGTTCGGGGA TCTGAGGGAG GAAATTTCAC
181701 CACAGAGCAG CAATGGGAAA CTTTTTTGGAA TGATGTAGAT ATTCTATATC
181751 TTGGCTGTAG TGGTGATTAC AGGACTGCAT ATACAGGGAT ACCTCGTTAT
181801 ATTGTGGTTT ATTGCACTTT GCAAGTAGTG TATTTTTTAT AAATTGAGTA
181851 TTTGTGGTAA CCCTGCAAGT CCATTGGTGC CATTTTTCCA ACAGCATATT
181901 CTCACTTCAC ATTTTGGTGA TTTTTGTAAT ATTTCAATCT TCCTCATTAT
181951 TATTATTATG TTATCTTGAT CTGAGATCAG TGATATTTAA CATTATTATT
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FIGURE 3ZZ

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182001 GTAATTGTTT TAGGACACCA TAAACCACAC CCATGTAAGA CAGCAAACCT
182051 AATAAATAAA CGTTTTGTGT TCTGGTTGCT CCAACAGCCA GCCATTTTTC
182101 TGTCTCTTTT CCTCTCTTTG GGCCTCCCTA CTCCCTGAGA CACAACAGTA
182151 CTGAAATTAT GCCAAAGAAT AACCCTACAA TGATTTCCAG ATGTTCAGAT
182201 TAAAGGTAGA GTCTCACATC TGTCACATTA ATCAAATGCT AGAAATGATT
182251 AAGTTTCATG AGAATGGCAT GTCAAAAGCT GAGAGAGGCC AAAAGCTAGG
182301 CCTCTTTCAC CAAATGTTTA GCCAAGTTGT AAATGCTAAG GAAAAGTTCT
182351 TGAAGGAAAT TAAAAGTGCT ACTTCAGTGA ACACATGAAT GATAAGAAAG
182401 CAAAACAGCC TTATTACTGA TATGGAGAAA GTTTTAGTGA TCTGGATAGA
182451 AGATCAAACC AACTACAGCA TTCTCTTAAG CCAAAGCCTA ATCCAGAGCA
182501 AAGCCCTAAT GCTCTTCAAT TCTGTGAAGG CGGAGAAAGG TCAGGAAGCT
182551 GCAGAAGAAA AGTTGGCAGC TAGCAGAACT TGGGTCATTA AGTTTAAGGA
182601 AAGAAGCTAT CTGCATAACA TAAAAATGTA AAGTGAAGCA GCAAGTGCTG
182651 ATGTAGAAGC CGTAGCCAGT TATACAGAAA ATCTAGCTAA GATAATTAAT
182701 GAAGGTGGTT AACTAAACAA CAGATTTTTA ATGTAGCAAA AACAGCCTTA
182751 TATTAGAAGA AGATGGTAAT CTAGGACTTT CATAGCTAGA GAAGAGAAAT
182801 TAATGCCTGG CTTCACGCTT CAAAGGATAG GGTGACTCTG TTGTTAGGGG
182851 CTAATGCAGC TGGTGACTAC GTGGAAGCCA GTGCTCATTT ACCATTCTGA
182901 AAATCCTAGG GTTCTGAACA GTTATGTTAA GTCTACTCTG CCTGTGCTCG
182951 ATCAATGGAA AAACAAAGCC TGGTTGACAG CACATCTGTT TACGGCACAG
183001 TTTTCTCAAT ATTTGAAGCT CACTGTCGAT ACCTATTGCT GAGGAAAAAA
183051 AAAGATTCCT TTTGAGATGT TACTGTTCAT TGACAATGCA CATGGTTACT
183101 CAAGGCTCTG ATGGAAATGC ACAAGGAGAA TTAATGTTTT TGTGTCTGCT
183151 AAAACAGTAT CTATTCTGCA GCCTATGGAT GAAGGAGTAA TACTGACTTT
183201 CAAGTCTTAT GATATAAGAA ATACGTTTCT TAAGGCTATT GCTGCTGTAA
183251 TAGTAGATAT GGGCAAAGTA AACCTCCTTG AAAGGAGTCA CCATTCTAGA
183301 TGCCATGAAG ATCATTCATG ATTTATGGGA AGTTGATTCC AGCCCTCAGG GATAATTTTG
183351 TTTAACAGGA GTCTAGAAGA AGTTGATTCC AGCCCTCAGG GATAATTTTG
183401 AGGGCTTCAA GACATCAGTG GAGGAAGTAA CTACAGATAA GGTAGATACA
183451 GCAAAAGAGC TAGAATTAGA AGTGGAGTGT GAAGTTGGGA CTGAATTGCT
183501 GCAATCTCAT GAACAAATTA GAATGGATGA GGAGTTATTT GTTATGGCTG
183551 AGCAAATAAA GTGATTTCTT GAGATGGAAT CTACTGGTGA AGATGCTGTG
183601 AATATTGTTG AAATGGTAAC TGAGGATTTA GTATATCGTG TAAGTTTAGT
183651 TGTTAAAACA GCAGGGTTTG AGAGGATTGA CTCCATCTTT AAAAGAAGTT
183701 CTACTGTGGT TTACCCTATC AAATAGCATT ACATGCTACA AAGATATCTT
183751 TCATGAAAGG AAGAGTCAGT TGATGTGGCA TACTTTATTG TTGTCTTTTT
183801 TTTTAGAAAT TGCCACAGCC ACCCCAGCCT GCAGCAACTA CCACCCTGAT
183851 CAGTTAGCTG TCATCAACAT CAAGGCAAGA CTTTCCACCA GCAAAAAGAT
183901 TATAACTTGC TGAAGGCTTA GATAATCATT TGCATTTTTA GCAATAAAGG
183951 ATTTTTAAAT TAAGGTATAT ATATTTTTCC CCCATACATA TTGGTATTGC
184001 ATACTTAGTA GACTATCATA TACTGTAAAC ATAGCTTTTA TATATATTGG
184051 TAAATTAGAA ATTCTTGTCA CTTGCTTTAT TGTGATATTA GCTTTATTGC
184101 AATATTAGCT TTATTGTAGT GGTCTGGAAC TGAACCTGCA GTATCTTGGA
184151 GGTATGCCTG TATTTGTCAG AACCCTTCTA GCTGTAAAAG TAAAGAGATT
184201 GAATTTTACA ATATGTGGGG TATACCCAAA CCACCCTAAA AAAAATTGTT
184251 TAATTCGGAA CACAAAGGAA AATGTCAGCT TTATACTTCA GCAACAGTTT
184301 CTTTTCACTT GGAGGTAAGG CCTCCTGCTT CTCCGCTCTT TTACCAACCT
184351 TTGACTATCT TTTACAACCC ATTTACACAG ACCTGCATTG TTATTGCCTC
184401 AGTGGGCTCA GAACTACCTC AGCAAAGAAG GGGACTTGGA GTGTTGCTTC
184451 ACCAGCTGGA AACCTCCATG GCCAGTGGCT CCTTCTGCCT GAGTACTGCT
184501 CGCACCCACT GAGCTTGTTC TGCCCACTCA GCCCAGCAGG CTGCACTCTG
184551 CTCGTGCTAC TGGCCTTAAT CCCACACCTG CCAAGGGCGA GCGAGGCGTG
184601 GAGCGGTGAG GGTTGTGTGG GCAAGTGAGC CCAGGTTCCT GCCCACTATGC
184651 ACAGTCAGGC ACACAAGCTG CTGCATGGGG TGGGCAGCTC CAGGCACTGA
184701 TAACAGGTGC TGGCTCCATG CAAGGCTGTG GCTGACCCAG ATGTACTGCA
184751 CACATCTTCC ACTCTGTGCA CCCGTGACTG GACGAGGCGA ACACAGTGGT
184801 GCCCAGAAGC TTGGAGAAGC CAGGAACCAG AGCCCCAAAG AGGGTGTCAC
184851 AGCCCTGCCT CAGGGAGCCC CTAGGTCTGG GCTCCCCAGA GGGCTGCAAC
184901 TCTTCTCCTT CTCATCACCC TCAATGTGGC AAGTCAGGGT TGGGGGTGTT
184951 TTTCAGCTTT CTTTGTGTTA CTGCTCTTTC AGTCCCTCCG TTTGGTGGGT
185001 CCTGAGTTCT TGTCCCGTGT CCAGGACCAG TGAGGTATGT GGACAACTGG
185051 AGGGTGAGCA AGGTGGAAAG GACTTTAATT GAACAACAGA ACAGCTCTCA
185101 GGAGACCCAA CATAGGTAGC TCCTTTCTGC AGCTAGTAGT CCTGAAGTCT
185151 CTCCAAGTCT GGCTGAGTCC AGGGGATTTT ATGGGCTCAG AAGGGACAGA
185201 GTGCATGCTG ATTGGTCCAT GGGTGGCCAT GGGCAGGCCC AGTGAAAGCA
185251 CCCTAAGTTC TCACTCTGGG CCGAGGTCTC CACATGGAAC TGGCAGCCCA
185301 GCCCCCAGGC TTCAGGCTGT CCATGTCTTG AAGGTGGGGT TTCACCAGGG
185351 ACCCATCCCT TTGCACCCAG GAGCCTGTCT GCCTTCTGTC ACCAGGAATG
185401 TGCCATCCAT GGCCCCCAGG CTGTTTGTGC CAAGGAGTGC CTGAAGCCCT
185451 ATGGCAAACC ACCCTCAGCC CTCCTCAGCC TCCCTCCCAT GCTCACCAGT
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FIGURE 3AAA

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185501 GCCCAAAGTC CAGAGGGGTT CAAGGTGGCT GGGGGCTGGC ATCTCAGTGT
185551 CTCCCTGAGC ACAGGCACAC CCAGTTGAGT TGTGACAGCA CCCAGGCTTG
185601 GCCACAACTT TGCTCTGCCC AGAGCCTGCG CCACAATCGG AGTGGCCAGG
185651 GAGCAGGAGC AGTCACTTCT GAGCCTGCAG GGGCAGGAGG GCTTCCCAGG
185701 CCCCCAAGAA CACAAGGATG CCTGGGTGCA GAGTCACGGC TGGACAACTG
185751 CAGTGAGCCC CGCCCTCCCA ACTCAGTAGG GGCCAGGGCT CCTGCCCGTT
185801 CGCAGCCTTG ACGGCTTGGC AGAGCTTGCA ACTCTAGCCG CACCTACCCA
185851 GTACAGCGGG CGTCCTCACA GCCGCGCTCC AGACGGGCCG CTGCTGCCAT
185901 CATTACTCCC AAGTTTCGGG TCAGAAATAA GTAGAATTTT AGTGCTGGAG
185951 AGATTCTTAG AGAATTTGAT TTCTTAATAA AAATTTGGCT AACTAGATAT
186001 TTTACATGTA AATCTTTTAG AGAATTTATT CAGCAACAAA AATCAGTTAT
186051 GTGTATATTG ACAGTTTCTA ATCTAATTTT CATAAATATA ACTAAAATTA
186101 TGAAAATGTA CTTAAAAAAA AAAGCTAGAT TATACTCCTG TCTCCTAGAA
186151 GGGACAGTGC AGGTAAACCA GACCAGTGCC TTGTATCAAT AATTATGTTT
186201 CATACCAAGT AATAATGTTT ACCTTTTTGT TATGCCAGTA CAATTTATGG
186251 CCTAAAAGTT ACATGTTGTT TCTGTTTACA TCAAAGATAT TGATGACAGA
186301 CTTAGTCAGA GGTATGTTTT GTTATGAAAA AGACAATGAT AAGCCAGTTG
186351 TAAAACGAGT GCCTTTTGGA AATCTTGATT CCGGAACTTT TTTTTTTGTA
186401 TTAGAGTACA AAAAAGAATA TTTGTCATAG GATTTTATAA AAGTATAGTA
186451 TATTCTATCT AAGTAGAAAG TTGAAGAAAA TAGAATGCTA ATGTTGGAGA
186501 AGGTGAGCAA AATTATATTT TTATGAATGT TTAGGATATT TTGGGAATTT
186551 CTAAGAGTTC AGCCTCTTTA ATTCTATAGT TTGGGGCTTA ACGCATTTTT
186601 TTTTAAATAT GTGTGTTTTT TTAGAGGCTA GTAGAGGCCT GACATTTTGA
186651 GTTTAACAAC TTTATAAGGT TTATTCTTAA ATTCTGTATC AGACTTAATG
186701 TCTTTGAATT GTGTATTTAA TAATTTGATG TCCTTTTGCT ACTGCATTTA
186751 TAAACCAGAA TTCAGTCTTT GATGATTGCA TTATATTACT AAGTGATTTG
186801 GGTAAAGACA GAGGGGAAAA AGAGAAAGAG GGAAGATGGA GGAGGGTAGA
186851 GGGAGGTTGA AGTGGTATAT GTGTGTGCGGT TGTTGTATTT ATGTTTTATC
186901 TTTGCTTGTT AGACAATTAG AATTGAAGTT AAACACTAGG AAATAGATGA
186951 TAAGTTTATC TCTATACTCC CAGGAAAATT TAACATTAGA ATTAAGGCAT
187001 TTAGCTAAAC TAAGCCAAGA TTGGAAAACT ACTGTGCTCT ATGCCTGTGT
187051 TTAGAAATAA AGTTTTATTG GAAACACAGCC ACATTCATTT TTTTTCTCTT
187101 GTGAGTGCTT TCACACTGCA ATGGGAGAGT TGAATAGTGC TATATAGACG
187151 GTATGGCTGA CAAGCTGAAA ATGTGTACCA TCTGGCCCTT TATTACTAAT
187201 TATAATATGG CTTATAGAAA GGTATTAGTA ATTGTTAGAA CTAAGAAATA
187251 CTCATATGAT AGATCTCTCT TATCTGAAGC AATAATAATA TTGAGCCTCA
187301 TAGGAAAAGA TTATATCAAT CATCTGACAC TGTAGGTGCT CCAACCCATT
187351 TTCTCACTCT GATTCTCCAT ACCTCCTTTT ATGCTACTCA GCTGTTTTTT
187401 TCTGAGTGCT TATTAGTGTA GTGTAGTGAA TATTATTACC ACATAGTTTA
187451 CTTATACACA GTATTTATTA TTGTCTGTCT CCCATTGCTC TAATGCAAGG
187501 GAAGCATTTT TGTCTATTTT GAGCAAGGAT TTTTGTCGTA TTTACTGGTA
187551 TATTCAGGTA CCTGGAACAC ATAGTAGCAG TTAGTATGAA ATAAACCTGC
187601 CTTCTTATTA ACTATATTAA TCAATTTAGA AAGCATCAGC TTTTCACTTG
187651 CTGGCTATAT TTTGCTAATT CAAAATGCAA ATAATTTGCT GAGCTAAATT
187701 GTATATCTTT TAATTTGTTT TCTCTGTTCT TCATTGAGAA AGTTAGTATT
187751 TTCTGTTTTT AACTTCTCAC TTTAGCTACA TGTAGTTTTT TCTTGGGGGT
187801 GATATGTGTT TAGTAGAAGG TAGTTCAGTA ATATATTTAC TGAATAGCAA
187851 AACGAACACT AAGATTAAAG CTCATGTTAA CTACTCTGAT GGCCTTGAGG
187901 AAGTAATGCT GAGAGTTTAA TCACCATTAA GTAATTAAGA ATAATTTCTC
187951 ATAAAAGTTC TCTTCCTTCC AGTTATATTC ATGACTGTGT TTTGGTGATA
188001 GTTGATTGCC CTGCTTACAT AGTTGCAAAA TTGGTAAGGA GAACAGTATT
188051 CTGCAGCCAA GTTTCCATGA GTTGATATTT CACATTCACA TTTGTGACCT
188101 AAACCTGTAT TCTGGCAGAC AGTGAGAAAA GCCAAATGTT CTCGTAAGCA
188151 GCAAGGATTT TCTTCATGGA AAACAAAGAA GTAAAAATGT AATCCAAGCA
188201 AAACTATCAT GTATATACTG AATTTTATAG GTATATCTAC AGAAAATTAA
188251 TATTTGCTTT TATGCATTTT ATTACAAGTT TATTTTGTTA GGTATTATAT
188301 TTGAAGTAAA AAATAAAATA CAAAATTGAA TACATAAAGG GAAATCAGAA
188351 AAACCCAGAA ATATTACTCT AAGATAATAA CAATTATTAC CACTTTTATT
188401 TGAGCACATG CACTATACCA GGCACAGCAC ACCGTGCTTT ATGTATATAA
188451 TCTGTAACTC TCCTGACAAC CCTGCAAAGT AGTACCTCTG TTTACATTTT
188501 GAAGATGAGA AAATTACTGC TCAAAGAGAT TAAATAGCTT GCCATGATTC
188551 AGGAACTAGT AAGTAATGAA GGCAGTATTG TAAGGCAGGA CTTTCTGTCT
188601 CCCCAGATAC CTTATTCTTT ATCCCGTAGC ATGTCATTTT TCTCCAGTAT
188651 TGTCATGATG TGTCATCAGA TGACTATACT TTTTATCCAT ACTTTATTTA
188701 AAAATTTTAT GTGTTAGAAA ACTTATACTC TAGACATTTA AAATTTAAAT
188751 TTTCATAACA TAGTATGCTT CTGAATAACC TGAGAAGAAT GTTACACAAA
188801 AGGAGATGGC TTGCTGATTC CGTGGAGTAA TAAATGCCTA CCTGTTTTCA
188851 TTTTGAAGTT GAAGCCATTG CTTCTAATTT TAAGCCAACC TGTATTTTTT
188901 TTTCATTTTA CCTTTCACAT CTTCATAACA TGTATTTGGC CTTATATAGC
188951 TGTGAAAATT GATTGTACAA ATTGGTTTGA GCATATGAGA CCTATGAACA
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FIGURE 3BBB

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189001 CTTGTATTCT GACTTAGCAT AGAGTTTTAT ATTTTCTGAG TAGCATAGAC
189051 CCATATATTT TTGGACACCC CTCGTATTTT ACATTTAATA GAATGATGAA
189101 CATGATTCAT TAAGCCTTTC TTTGATGAAA GACAGAAACC ACAGAGCAAT
189151 GAAGATATTG GCATTTCTGA TAAAGTTTGT ATATTAAAGT. CTTATGGTAG
189201 CCTATGAAAA AGAGCTTGTT TGGAAAAATT GAGAGATTCA AGTTTTGTAT
189251 TATACTTAAG TTTTGTCACT TCATCAAATG CCTCCCTTTC TATGTCTTAT
189301 CATGAATTTA TTTTTTTCCC TTTAATAGTA GATCAAATAT AGATAGCCAG
189351 GAAAGAGTAA AAGGTCAGTT ATGGTAATAT AGTGAAGATG TTTCATTCAT
189401 ACTTTAATAT TATACAAGTA TTAGTTTTGT ATTATACTTC TTCTTCTTCT
189451 TCTTCTTCTT ATTCTTATTA TTATTATTAT TTTGAGACAG AGACTCACCC
189501 TGTCGCCCAG GATGGGGTGC AATGGCATGA TCTCTGCTCA TTGCAACTTC
189551 TGCCTTCTGG GTTCAAGTCA TTCTTCTGCC TCAGCCTTCT GAGTAGCTGG
189601 GATTACAGGC ATGTGCCAAT TTTTGTATTT TTGTGAAGAC AGGGTTTCAC
189651 CATGTTGGCC AGGCTGGTCT TGAACTCCTG ACCTCAGGTG ATCCGCCTGC
189701 CTCAGCCTCC CAAAGTGCTG GGATTACAGG TGTGAGCCAC CGCACCCAGC
189751 TATACTTACT ATTTTAGAAG AACTTTATGA ACACTATTAA TAATAAAATT
189801 GCTTTAAATT ATTATCTATT GAGTGAATGA ATGGCTGGCT GACTGAATGA
189851 ATGCATACAT TCAGAACTCT GGACTCCAAA ATCTTTTAGA GTCTCCCTTT
189901 GAGTGGAAAC TACTCTTCCT TGATTTTGGA AATGTTAAAT TAAAAGATAG
189951 CTTAATATTG GTGTTGCTCC TTTCTATAAT TGTCAAAAAG AAGTTATAGT
190001 GTCCTCATAA AGACAAATAA GGAGATAAAG AAAAACAAAA ATAATTGAGT
190051 TAAATTGTTA ATTTTTGTTT GTTTTATGTG ATCCTCAGAT TCTTGGGATT
190101 AAAATTCAAG CAGGGATGCA GTCTTCTTTT GAGTTACATG TTAGAGTCTG
190151 TGACATTAGC ATTCTCTATC TCAAGCAGAA ATGCTACCAA AATGGTTCTT
190201 GATTTAAGGA TGTGATTTCT TTTATAGTCA GTATTTTTAA CATATCACAT
190251 TTGAGTCTTT TAAAACTTAA CTGCTTCCTT CTTTCACATA TCAGTTTCTC
190301 TTCCATCAGA GAGAATAGTG ATATGGAATC ATTTTGTCTG AATGGTTGGC
190351 TAAAAGTACA TACCGTAGAA GGTAGAAACT TAAATACAGG ATAATGAATT
190401 TTTTTTATAT CTGATTCCCA TTAGCATTGA CATTTTTTTT TTCTGTTTCC
190451 AGACCATAAA AGCTTCTTCC AAAAGTATCC ACAGGCACAG AAGCTCTGTT
190501 TAGATTTTTC CTATGTGCTT TCTTTTCTTG ATATTTTGAT TTTTTTCCAA
190551 AATGAGTTTG CTGTTTACTT TTGATGAAGT AAATATCTAT ATAAAATCTG
190601 AAGATTTTTA TTTCTTGGAT TTGGAGGGCA ATTTGAACAT TAGATTTTAA
190651 AGGCTTATAC TTAAGATGAC CATTAGTAGT TAAATCTGGT TTATAACTAA
190701 TCTAGTGTAA TTTAATTAAT AGAGGTTAGT GTGGAGTCAT TCATATATTT
190751 ATATTTCCTG TTTCATATGT TTATAAATAT TTGATGAGTA TCATTGGCTT
190801 TTTTTCTCCA ATGTGTTTGG ATTCAAGGAA TTAAGGGTCT GTATAAATAC
190851 TTATTTTTCT GTGTGTGCAT TTTCTTGTGT TTATTTTCAT TGGTTTTTGAG
190901 TTTGACTTAA TATACACATG TGCATTTAAA AAGATGATCT TTCCAAAAGC
190951 TTTGCTTGGG ATCTTTGCTA GGAGGATGAG TTAATGGATG GAGAGGGCTG
191001 CTTGCTTTAC TGTTTATTTT CCCAGACAAA TCCATGGAGA CAGGCTGCTA
191051 ATAGGATAGG AGAAAAACAA CAAAAACAAA TACAGCTTTT TGGCCTGGAA
191101 CTGAATTGTA TTATCTGTAC TGTCAGTTAG AGCCTTTGCT CACTTACCCA
191151 GACGATCTCT ACAGGGATTA AAGCTTCCTC CTGCATTTGC GATAACTTTC
191201 AGTATGCTGC AGCGTCATAT CCAGTTAATA TTAAAAAAAA AAATCTGGCT
191251 GTAAATAGTT ACAAAATCCT CACCAAATCA ACCTTTAGCA AGAGTGATTG
191301 TGCTGATTAA TCAAACAAGA TTGTCAGTAA TTAAAGGAAT ACAGATGACT
191351 TGGATTTTAT TTTCAGTTTT CATATGTAAA TTCTTGCAGC CCTTCCCCAA
191401 GGTTGGGCCT GATTTTGTTA TGGGATCTTT GGGCTGTTGC TTTTCTGACC
191451 AGCAACCTCT GTGGCCAGTG GCGCCTTTGC CTGAGTTCTT GTCCTGCATC
191501 TAGGAAGAAT GAGGTACATA GACAAGTGGA GGGTGAGCAA GACAAAGAGG
191551 AGCTTTATTG AGTTAGAAAA GCTCAGAAGA GGCCTGCAGT GAGTAGCTCC
191601 TTTCTGTAGG CAGGTCATCT CGTTGAGTGT TGAGCTCTCA GCAGAGAGGA
191651 GGCCTGGAGT GGGTGGCTCC TCTCTGCAGG CAGGTTGTCC CGACGAATGT
191701 TCAGCTCTTA GCAGAGAGGG TAGCTCCTCT CTGCTGCTGG TCATCCTGTT
191751 GTCTGCAGCT CTCAGCAGAG AGGAGGCCCT GAAGAGGGTA GACTCCTCTC
191801 TGATGTTGAT CATCCTGACC TCAGCAGCTC TCAGCAGAGA GGGTAGCTCC
191851 TCTCTGCAGC CGGTCCCTCC ACTGGCTCTG CTCTGCTCTG GCTGAGTCCA
191901 GGGCTTTTAT GAGCCTCAGA GGGGAGGAAG TGCATGCCGA TTGGTCCATG
191951 GGCCTGCGGT AAAGGCACCA CAAGTCCCCA CTCTGGTCCG CAGGGCTGGC
192001 AGCCTGGCCC CCAGCCTTCA GGCCTGCCCT GTTCTGAAGA TGAGGCCTCA
192051 CCAGGGACCT GCCCTGCCCC TTCCCACCCA GGAACCTGTC TGCATCCTGC
192101 TGCTGCCCAT CACACCCAGG CTGCTCACAC CCGTGCCCAAG GAGCACCCAC
192151 AGGCCAGCCC AGAGCCTCAT TCAGCTCCAT CTTGGCCTCC CTCTCCTACT
192201 TGGCATCCAT AGTCCAGAAG GGCCAAGGTG GCAGGAGGCT GGTGTGTCAG
192251 TGCTGCCTGG AGCAGCACAC ACCTGGCTGG GCCACAACAA CGCTGGGACC
192301 AGGAAGAGGC CAGGCAATGG GAGCAGATAC CCCTGAGTCT GCTGATGATG
192351 GGGGACCCAC CTGGGTACTC GAGAGCACCA GGAGACCCAG GCCCACAGCC
192401 ACAACCCAGG CAGCTGCAGC TGTGCCTGGG GAGCTCTCAC CCTACCAACT
192451 CATAAGGGGC AGAGCTCCCG CCAGTCCCTG GCTCTGCAGA GTGTGCAGCA
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FIGURE 3CCC

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192501 TTGACTGTGC TGCCTTCTCT GCATCTCCCA CAGTGGTGGC AGGTGAGGTG
192551 CAGGTGGCAT AGTGGCCCTG GCCAACCCAG CACAAACAAA CCCGATGCTC
192601 CCAGGGCTAG TCCTGTGAGT CCCAGTGGCA GCACCTTTGG CCAGGTGCTT
192651 GTGGGCTTTC AAGACATGGT GGGGCGCGAG GTTGAGGCTG CAATGGCGGC
192701 TCCGAACTTA GTAGCAGGTC CTGCTACCTG TGCCGAGGGTG GAGGTGGCAC
192751 AGTCCACCTT GAGGACACGG GACACAGGAG ACTGTTGCCA CTGCTGCTCT
192801 CACAGTTGCT TCTGCTATCC TGTCTGCCTC CTTGCAGCCT GGAGCAGGGC
192851 TCCAGGCCAT CGCTGGGCTG GGCTGCCGTC CAAGGCAAGG ATGACATTGC
192901 CGCAAGTTCC CCCTGTGGAC CCGGCTCTCG GTGGCAGCCT GGGGCTCCTC
192951 CTCGCACAGC TTGAGACCCT GCCGGGGGGC ACCTCTGGGG CGGATCGCGG
193001 GCCCCAAACC CAGTTGTCGG GAGCGCCAGG CTGAACAGTC ACTCCGACGT
193051 GGGGTGGATC CTGGGGTTGC AGCGTCGGTG GCCCGGGCTG AGCCTCCAGC
193101 TGAGGTGCAG GAACTTGGAG CCGCCAGCAG GGTGGGTGCG GCGACAGAGT
193151 CGCTTGCCAG GTCTGGGAAG CGGGCGCCAC TCCCGCTTTC CACCCCACAC
193201 CCCTGAAGTA CGGCCCCACT GTGCGTTCAG GCCCACCTCC CTTCACTCTG
193251 TGCGCAACTG CAGCACCCCT GGGTCCAACT CTGCCTTGAG ACCCCTCCAT
193301 GCCAGACCGT GCTCTTCCCC CGCCTGCAGG TAGGTCGGCC CGGCCCCACC
193351 TGAGTGGATC CCAGGGTTGG GCTTCCAGGG CAGCAGGCCC CAGGTACCGT
193401 TCGCCTTGGA GTCCACCTGA GGATCCACAG CCTGCACCCC CACCTGCACC
193451 CACACCCGTG CCCCACCACA GCCGGTCCCG GCTGCCAAAG TGGCAGTGAC
193501 TACTTTGGAT GGCCCGCTGC TGCCATCAAT TTGAATGGTT TATATTTTGC
193551 CGTCCTTGTT GAGAAGAAAA ACATGGATGT ATAGATATAC AGTGATGGAT
193601 GGACTAGCAG CTTAAGAATC ATTTTGGGGA CATTTTTAAA AAAATTTTTT
193651 GAGACAGAGT CTTGTTCCAT CTCCCAGGCT GGAGTTCAGT GGGGCAATCG
193701 TGGCTCACTG CAGCCTTGAC CTCATGGGCT CAGGTGATCC TCCTGCCTTA
193751 GCCACCCAAG TAGCTGGGAC TACAGGCGGG TGCCACCACT CCCAGCTAAT
193801 ATTTAAATTT TTATAGAGAC AGGGTCTTGC TTTGTTGTGC AAGCTGGTCT
193851 CCAACTCCCG GGCTCTCACA GTCCTCCTGG CTTGACCTCC CAAAGTGCCA
193901 CCACACCCAG GCTATTTTGA GGACGTTTCT CTTTTCAGAA AAGTTATAAG
193951 TATTTTGACC CTGCATGAAA GTTTGGAATG ATGGAATCAT ATAAACAAAA
194001 ACAACAGAAA GCCTCAAAAG ATTTTTTTAA ACCAAACAAA AATTATTGGA
194051 ACCAGCTTTT ACCTCAAGCA GTGAATGAGC TACACAGAAA GTTGATTTTT
194101 CTTTTATTAA TGATTGCTAG TAATGAGAAT TTTACACTTT ATTCTTCTCA
194151 ACCTCCCTCC AGGTCAGTTT TGGTTGTTAC AGCTGGAGGA ATGATACTGG
194201 CATCCAGTGG GTAGAGGTCA GGGATGTTAC CAGACATCCT ATAATGCACA
194251 GGAAAACCCT CCCTGACCCA CAATGAAACA TTGTTAGCCC AAGTAATGCT
194301 GAGATTGAGA AACCCTGCTG TAAAGTGTGG ATTTTTATCT TGATGGGAGT
194351 TTTTCCAAAT AGCTACATTG ATGTTTACAA TGCTTTATAA ATAAAGGGAA
194401 GTTTTGTTCT GTTTGTTTGA ATTACTAATA AGAGATAAAA GAGGCTTTAG
194451 AGACAGATTT TGGGATTTAT AGATGCAATA AACACATAAA CACAGTCTTC
194501 GAAAAATGTT CATGGAGACA ATATGGTGAT CTTGTGATAC AGGGAAATGG
194551 AAAACATTTT ATTATAGAAG AACATGAGAA ATTTGTATTA TTTTTTACTC
194601 TTTCATGGAC ATGAAATGAA ACTTCTACTT TGTAGGTGTT GGTGTTGTAC
194651 AGAATTATTT CTATATTTGT GAATTAAATC ATATAATAAA GTAATTGCAA
194701 TATCCAAAAA TCAATTATCT TGGGTAGAATA TTCAAGAGCC TGAAGCTCTG
194751 GATTCACTTC CCATTTGTGA CTAAAGTTAA TTTATTTAAT GTCCAAGCCT
194801 CAGTTAACAC ATCTGAAAAG TAAGGTAGTT TTTATAAACT TGTCAGATGG
194851 GCATTAGTTA ATTTGTATTT GATAATTTGT ATTGACACTA AACTGTTATC
194901 AGATGTTAAA AGAACTGTTC AGTCTTTGAT TGCTGAACTT CAGTGTAAGG
194951 AGTAGGTATT TCTTTGTTCA TTTCATAAAG GAGCTCTTGA ACCTCCGTTT
195001 TCAAGCATTG TCTGCTCAGT CACAATAATT TGCAGTGGAA GGATGTATAT
195051 GTAACCACAC ATGTGTAAAC ACATACACAC CTAGTGACTT GATGGTAGAG
195101 AAGTTAAGGA TTTACAAAAT GTGTTTACAT TGCTTTCCAG AGATTGAGGT
195151 TGAGGTTTTT GGAACCTGGC ATACTGATAG TACCCATTAT GGAACCATAA
195201 TCATGTGGAG TTAGCATACG AGATAGAGCA TATAACCTAT AAACATATTT
195251 AATGATACTC ATCTATTGTG CTACAACAGA AACAGACATT GGAGAGTAAA
195301 TGTAAATGAT CTTATTCCCA CTCTTAAAAA TTTGCAGTTG ATTTTATTTT
195351 TTAAATGATT ATGTTGTCTG CCATACTACC CACAGTCCAT TAACTAACTG
195401 AATGCATGTT GTCGAAAAAG TTCTACTTTC TGTAAAGGAG GAGAGGGAGA
195451 AAAAAAAAAT GCAGGTTGGA GTCACAAATC ATAGCAAGTC ACTTTACCTT
195501 TGCTTCCATG TTTAAGAAGG TGTCTCTTTG GTGGAGACAG ATGAGATCTG
195551 TATTCTGTCA CCACCAAAGA TCCTTGGGGT TATTTTTTTA ATTTTTTTT
195601 TTTAACTAAG GGACCAGCCA GGGCTACGCA ACTAATATAG AGAAAAATTC
195651 AGACAAGAAA TTAGATCTCA GATGGAGGTG GAAACTGCAA AGTTTGATCA
195701 TCTTTTAGAG ATTGCAGTGT ATAAAATAAA TTGTTTCACT TATAAATGGA
195751 AGCAAAGCAA TAAACTTCAT GTTATTCTAT ATACAACTTT AATTACTGTT
195801 TCATTTTTTA AAAGATATTT TGTTAAGATG GTATTTTGAA TTGGTAACAT
195851 ATGTATATAA TTCAGAGATC AAAACTGTAT GGAAAGATAT ACATGCTCAT
195901 ACCTTGTTCC TTCTACCACT GTACCCCAAC CTTTCCACCT TACTTTTATT
195951 AGTCTCTTGT TTCTTCTTCC AATTTTTTAA CACAAACAAA AAATATGCAA
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FIGURE 3DDD

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196001 ATATATATGC AAATATAAAT ATATGTTTAT GTGTGTGTAT ATATAATATA
196051 TATTATATAT AATTATATTA TATATAATAT ATATATTATA TTATATATAT
196101 TATATATATA TATATATGTT TTCAATACCC ATTTCTCCCA GTTATATACA
196151 ATGCAGGAAA CTATGTATAC CCTTCAGTAC TTTGCTTTTT TGATTTAGCT
196201 CTGTTTCTTG CAGATCTTTT TCTCTCAGTA AATGGGCATT TTCCTCATCC
196251 TTTTGAAGGA TGCATGGATG AAGAACTACC ATAGTTATTC AACCAGTGCC
196301 TTATTTTATG GATTCTTAGG CTATTGTCAG TCTTTTGCCA CTATTAACAG
196351 TACTACAAAG AGTAATCTTG TCCAGGTGTC ATTTGTACT TGTGCTGGTT
196401 TGTTGTAAAA GTGGGATTGT TGTGTTATGG GTAAATACAT TTGTAATTTT
196451 GTTAGATATT ATCGTATTTC CTTTTATGGT GATTCTACCA TTTTTTTACTT
196501 TCACCAGTAA TTTTGAATGT GTCGGGGTTT CCAGGTTGGT ATCAGTAGTT
196551 AGTAGTTAAT TTAAAAGGGT AAGTAAATAA TCATTTAATG TTTTATATTT
196601 ATGTTTAATG ATTTTTAACAT AAAACATAAA TATACATTGA TTTCATTTGT
196651 CTTAGGGCAA ATAATTTTTT AAGAATAGTC TGCTCATTGG AGCTCTGTAA
196701 TACCTCTTTT CTAAACCATA TTTTATTAAT TTTAGTGTTT GGCATCTATC
196751 AAGTAGAGTG ATAACTTAAG ATACTCTGAG GTACCTTGAG TATCCCCATT
196801 CATCTACAGC TGTTCTGCCA AACCAAATTA ACAGTTGAGA GTTACTCATC
196851 TTTATTGAAT CTTTCCTATT TAGGTTTTTT TTTCTAAAAA ATAATATATT
196901 TATTTGAATC ACATAATTTC AATGTCAAGT AATTGTTAAA CTAGAATTTT
196951 GGAATCAGTA TTTTTTACTC ATGTTTTGTT TACCGGTAAG TCACCTTGCT
197001 TATTACAGTG TCTCAACGTA TTAAGTGTTC AGTAAATTTT CATTGAATGG
197051 AATAGAAGGA AAAGAGGTAG TATGGAAATA GACTCAACTG ATTCTAATTA
197101 TGCACCCAAA ACAAGAAAGC AAAGGTTACG AGAGCAGGAG GAGGGTGCGC
197151 ATAGCAGAGG GCCTTCTTAT CAGCCAGGAT ATTTAACCTC CCATGGCTGA
197201 AGAGTCTAGG AAGTGACATA TTTTGCTTTC CAGTCTCCTA ACTTTCTCTT
197251 CTTAGACATA CAAAATTTAT ATCAAATAGA GACAGTGTGG GTCCATCTTT
197301 TTCCCTCATT TTGCTGTCAT TTTCAAACTT GTTTATTCTG GAAAATTATA
197351 ACATGTCTTG CCAAAATTGA TTGGCTAGAT GTGCTGCAAC TTACAGAGCT
197401 TTAGACCAGT TATAATGATG AAGGTTCAGT TTAGATAGTA ATGTGCTTTG
197451 AGGCAATAAT TATGGGATAT TTCCTTGTAG TGACCAGTAA TTTTTATGTC
197501 TTCTGTATTA GTCCATTCTC ACATTGCTAA TAAAGACATA CCTGAGGCTG
197551 GGTAATTTAT AAAGGAAAGA GGTTTAATTG ACTTACAGTT TAGCATGGCT
197601 GAGCAGGCCT AAGGAAACTT AACAATCATG GCGGAAGGCA CCTCTTCACA
197651 GGGCTGAAGA GAGAGAATGA GTGCAAGCAG GGGTAATACC ATAAACTTAT
197701 AAAACCATCA GATCTCATGA GAACTCACTG ACTATCATGA GAACAGCATG
197751 GGGGAAGCTG CCCCCATGAT GCAATTACTT CCATGATGTG GGAATTACGG
197801 AGATTACAAT TCAAGATGAG ATTTGGGTGT GGACACAAC AAACCATATC
197851 ATCTTCCAAA CAGAATTTAT CATCAACACT GACGAGCCAT TTCAGTTTTA
197901 TCTTAATTAT TGCAAGGACT GGTCAAGAGA ACGTGTTTGG AAATTGGAAA
197951 TTAATCATCT ATGTTGAGGA AATAATTTAT AACATTTGAG TTTCTCTGGT
198001 GAATCATTAA CATAGTTTCC ATATTTAAAT TTCTGCCATT ATATTTTTTC
198051 ACATTGTCTG TCTTCTTTCC AAATAACTTC TCAGAGAAAC TCTTAGAAAA
198101 AGCAGTAATA ATTAAGGGCT AAAAAAAAGA GCTTCAGTGC ACTTGTGACA
198151 TCATTTTATC CGTTATAATT AAACCATTAAA AATTAGTTAA TATTAGTTAC
198201 CTAACTAAAG TTAGTTAATA TAATATCATT ATGTGTGCTG CATCATCTAT
198251 GTGCCCTTCT GGCAAGACTG AGTTTTGGTG AGTGAGGGTT GTTACTGCAG
198301 TCACATTCTA GACACAGTCA TGTGCTGCGT AACCATGTTT TGGTCAACAT
198351 CAGACTGCAT GTACAAATGT GTCCCATAAG ATTATAATGG AGCTGAAAAA
198401 TTCCTATGGC TTAGTAACAC TGTAGCCATC ATAATGTCAT AACCATTATG
198451 ATGTGGTAGC ATAGTGCATT ACTCTTGTGG CAATGCTGGT GTAAACAAAC
198501 CTGCTGTGCT ATTAGTCATA TAAAAGTATA GCACATTCCA TTTGTATAGT
198551 ACATCATACT TGATAATAAA CAACTGTGTT ACAGGCTTAT GTATTACCTA
198601 TACTATACAT TTTTATCATT GTAGTGTGTA CTCTGCTTAT AAAAAAAAAT
198651 TAACTGTAAA ACAGCCTCAG GCAGGTCCTA CAGGGGATAT TCCATAAAGA
198701 AGGCCTTGTA AACGTACGAG ATGACAGCTT CATGCATATT ATTGCCCTTG
198751 AATACCTTTC AGGGAAATAA GATGTAGAGG TGGAAGACAG TGATATTGAT
198801 GATCCTGACC TACGGGCCTA GGCTAATATA TGTGTTTGTG TCTTCGTTTT
198851 TAGCAAAAAA GTTTAAAAAG TAAAATAATA AATAAAATTT AAAAATAGGA
198901 AAAAGCCTAT AGGATAAGGA TATAAAGAAG AAAATATTTT TGTGCAGCTG
198951 TATAACATGT TGTTTTAACC TAAGTGTTAT TATAAGAGTC AAAAAGTTAA
199001 AAAAAAAAAA ATAAATAAAA AATTTATAAA GTAAGTTACA GATTAATTCC
199051 TGAAGAAAGA AAAGTTTTAA AATAAGTTTA GCATAGTCTT ATTGTACCGT
199101 GTTATTATA AAATCTATAG TAGTGTACAG TAATGTCCTG GGCCTTCACA
199151 TTCACTCTTT GCTCACCCAG AGCAAAGAGT TTACTCACTG ACTCACCCAG
199201 AGCAACTTCC AGTCCTGCAA GTACCATTGC TGGTAAGTGC CCTATACAGG
199251 CATACCGTTT TTTAATCTCT TATACATTAT TTTTACTGTG CCTGCTCTTT
199301 GTTAGATAT GTTTAGACAC AAATACCATT GTGTTACAGT TGCCTACAGT
199351 GTTGAATACA GTAACATGCT GTACAGGTTT GTAGCCTAAA AGCAACAGGC
199401 TATATCATAT GGCCTGGGTA GACTATACCA TCTAGGTTTG TGTAAGTACA
199451 CTCTGTGATG TTTGCACAAT GACAAAATCA CTTAAGGATG CACTTCTCAG
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FIGURE 3EEE

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199501 AACATATCCC CATTGTTAAG TGACACATGA CTGTATTTTG TTCTGTAACT
199551 TTCTTGGCCA AATGTACTAT TTTGAGTCAA ATTCCATAGA CCTTTTTGTT
199601 TCCTCTTGAA GTATAATGAA CCTTTTCCTT TTAACTTATA AAAAGATGAG
199651 TGTATTCAAG ATTGATTGTT CAGAAACTTT GTCTGGGCAG ATTTGACTTT
199701 TTATTTTAAA TTAGCTTTGT CACAAGGATA TTATCACCTT ATGTCTTGAA
199751 ACCCTGACCC AGCCCTCATT GCACTCTCCC AATTTCCCTG CTGGATTTTG
199801 TTTGATTATT TGTTGTTTTG CTGCCTCACC GATTTACACA TATCACCCTG
199851 TAGTTTCAAT ATGTAAATTC AAAACTTACC TGTTTTGCTA TCTAGGATAA
199901 TATTTAGATA ATCAGTTATG TTGATGAGAA AGAGATAGAT TTGTTCTGAG
199951 ATACTTAAAT TTATTTTAAC TGTTCTCTCC CCAGATATAC AGATACTCCT
200001 CAACTTACAA TGGAGTTCCT TCCTGTTAAA GGTATCTTAA GTTGAAAATA
200051 TCATAAGTCA AAAATGGATT TAAAACACCT AACCTACCAA ACATCACAAT
200101 TTAGCGTAGC TTACCTTATA TGTGCTCAAC ACTTACATTA GCCTTCAGTT
200151 GGGCAAAATC GCCTAACATA AAACCTGTTT TATAATAAAC TATTGAATAT
200201 ATTATGTAAT TAATTGAATA CTGTACTGAA AGTGAAAAAC AGAATGGTTG
200251 TATGGGTACT CAAAGTAAGG TTTCTTCTGA ACATGTATCA CTTTCACACT
200301 ATCATAAAGC TGAAAACTCC AAAGTCAAAT CATTGTAAGT CAGGGACTGT
200351 TCATTACTTT TGTTTTCTAA TGCAGTGGTA AAAGTGAAG GAAAATACCA
200401 GAAATTGACA GTGTATTGAT AAACTGTTCT TTCTATTCAT AGGGCTATCT
200451 TTTTGCCTTT ATACTAATCT CCTTTAATAA ATGGAATAGA AAACTACTTT
200501 TTTTTTTGGC CATGTCATCT GTTTTTTTGT TTTTTTTTTT TGACAGCATA
200551 TTAGGTTGTG GATAGTATTT GGAAATCCAC ATCTGCTCTT TATCCACATG
200601 TGTTTATCCT ACTTGCAGTG TAGATAAAAA TGTGCTTTGT ATTTTAGATT
200651 AAAAATTGTG TTTTCCATTA TTTTATCAAT TTTCCTTTCT GAAAATTGAC
200701 CTTTTAACTT TGTATTTTTG CAGGGAAAGC TTTTGTCAGA GGAACTTTTA
200751 TTATTGTTTT TCAAAAGGCA GTTGCCTCAA GAAAATCTAT TTTACTTTAG
200801 TATGAAAGTG GAAAACTGAC ATTTAATTGC ACAAGCTGTT TAAAAATCAT
200851 AAAATATAAC TACTGCTATA AAAATGTGTT CATATAAGAG ACTAGAGGAT
200901 AATATTCAGA GCATAAAACA ATGGTTGGAG ATCCACAGAC AACCAACACT
200951 GGTAGTCAAA TAGTGATTAA ATTCTTGATA AGTCTTGCTG CTTTTTTTTC
201001 TGAAATTTTA TTTAATAATA TCATATAATG TTTTTCATTT GAAAAGGAAA
201051 AAGATGTTAT CAAGTTCCTG CCTATTTAAC TTTAGAGAGA ACTTAGTTTG
201101 GTTTATTCAG TTAGACATGT AGTCAGTGTA GCACTTTAAT CTTTTTAACTT
201151 TACCACTTTA ATTATTTTAC AAATACAAGT TCTTGATGAT CTTTTATGTT
201201 TTTCTAGGAA ATATTAGTGA TAACATCTCA TATCAATTTT TTTGTAACAT
201251 TCAGAATGTG TAGTCATGAA GAAGAACAGG GCTTACCTCA AAATATCTGG
201301 TATACTCTGC AATAAAAGTA TCATCACTGG CCATCAGAGA AATGCAAATC
201351 AAAACCACAA TGAGATATCA TCTCACACCA GTTAGAATGG CGATCATTAA
201401 AAAGTCAGGA AACGGCCGGG CGCGGTGGCT CACGCCTGTA ATCCCAGCAC
201451 TTTGGGAGGC CGAGACGGGC GGATCACGAG GTCAGGAGAT CGAGACCATC
201501 CTGGCTAACA CGGTGAAACC CCGTCTCTAC TAAAAAAAAA AATACAAAAA
201551 TTAGCCGGGC ATGGTGGCGC GCACCTGTAG TCCCAGCTAC ACGGGAGGCT
201601 GAGGCAGGAG AATGGCGTGA ACCCGGGAGG CGGAGCTTGC AGTGAGTCGA
201651 GATCACGCCA CTGCACTCCA GCCTGGGCGA CAGAGTGAAA CTCCGTCTCA
201701 AAAAAAAAAA AAAAAAAAAA AAAGTCAGG GAAACAACAG GGTGCTGGAG
201751 AGGATGTGGA GAAATAGGAA CACTTTTACA CTGTTGTTGG GACTGTAAAC
201801 TAGTTCAACC ATTGTGGAAG ACAGTGTGGC AATTCCTCAA GGATCTAGAA
201851 CTAGAAATGC CATTTGACCC AGCCATTCCA TTACTGGGTA TATACCCAAA
201901 CGATTATAAA TCATGCTGCT ATAAAGACAC ATGCACACGT ATGTTTATTG
201951 CAGCACTGTT CACAATAGCA AAGACTTGGA ACCAACCCAA ATGTCCATCA
202001 GTGATAGACT GGATTAAGAA AATGTGGCAC ATATACACCA TGGAATACTA
202051 TGCAGCCATA AAAAATGATG AGTTCATGTC CTTTGTAGGG ACATGGATAA
202101 AACTGGAAAC CATCATTCTC AGCAAGCTAT TGCAAGGACA AAAAACCAAA
202151 CACCTCATGT TCTAACTCAT AGGTGGGAAT TGAACAATGA GAACACTTGA
202201 ACACAGGAAG GGGAACACCA CATACCAGGG CCTGTTGTGG GGTGTGGGGA
202251 GAGGGGAGGG ATAGCATTAG GAGATATACG TAATGTAAAT GACGAGTTAA
202301 TGGTATAGCA CACCAACATG GCACATGTAT ACATGTGTAA CAAACCTGCA
202351 CGTTGTGCAC ATGTACCCTG GAACTTAAAG TATTAAAAAA ACAACAACAA
202401 AAAAAACCAT GTTCTTATTG GACCACTGCA TACCTGACAT GTATTTCATT
202451 ATTTGGTGAA TATGAACTTT AAGAGGAAAT TTCTTATTA TGAAGTTTTT
202501 TAAAACTGAA ATTACAGTGT CACAAAATAG TTAACTTGGG TCAGAGGCAT
202551 TCCAAATGAT TTGCTCTGTA AGTGAATGAA TGAATTGAAA TCTAACTTCG
202601 AGTATTATAC TTCTTTTGAC AGAAATTATT TTACAAAGAA AATGTAACAT
202651 AAAATTAAGA AATTATTATT TCTCTGGTTT TGTTTGGCGA TTCTAAAACA
202701 ATCACCAGGA AACATATTAC TTTTCCATGA GTTCTTACGA ACACCTTTAC
202751 CTTGGGTATA TGAAAATGGC CTGCTCTTGA GTTGGATGCT TTATTCCAGA
202801 TGTGTTCACA TAAACAAAGT ATGGAAAGTC TATACTTGTA TGTATAGGAA
202851 ACAATGGGTC AGCTTTGAAA TTTTTTATGA AATGTACATA GATTTTTCTA
202901 GACACGTACA GAAAAATGAG AAGTCGTGTC TAGATGGAGC CATCTCTTGA
202951 GACTGGACAT CTCCAGTAGA AATTTGACTT CTAGCTAGAA AGACAGTATC
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FIGURE 3FFF

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203001 AAATTGTTCT CAAATATTAA TTTATCATTC TTCTTTCAGG GCTTCCAGAT
203051 GAGCTTGGAA ACTGATTTAC AGAGATAATT AAGACCATTT GCCATGAACT
203101 TCCTTATGTA TCCCCATCAT TAACAAGACA TAGCTTGGCT CTATTATTAT
203151 CTGCTGCTCC TTTCCTACAC TGTCAGAGAA GGACATTTTT TGCCTAAAGT
203201 TAATTGTTCC ATCTAGTTTC TGTAGCTCAT CTCAATTTTA AAAATTTTAG
203251 CTCCCTAGTT TCTCCTCACA GACCAAATAT ATTAAAAGTG AACTTGTGAA
203301 AGTCACCAGT GACTACTGAA CAAAATTTAA TGGTTTCCTT TCTTACTGTG
203351 TTCAATTCCA TAAATTTTAT CCTGCTGAGT ACCTGTATCT TGAAACCCTG
203401 TACCCTATTA GCTTTGATGA CATGACACTT TTCCCTTCTG CTGACTCTGA
203451 GTCTAGTACT CTTTTATTTC AGTGGAATTT AATAATCACC TTAATATGGC
203501 AAATATTTAA ACAAAAATCT GAATCCAGTC CAGCCTCCGG TTTTGTTTTA
203551 TAATTCAAAA TTTGAAATCT CAATTATTTT ATCTCAATTT CTTTTTTCTG
203601 CTCTATTACC ATTACTCTTC TGGTTGAGTT ATTTCCTTTA TTACTGCCAT
203651 TGCCTCTTGA CTCGTTTCTC TGCCTTCAGT CTCTTTCTCC ACCATTTCAT
203701 ATTCATTCTG TTTTATAGTA TTCTTCCTAA AGGAGTGATA TACTGTTAAG
203751 GAACATACAG GGACTCCTTG TTTGCCTCAT CAAGTCCCAT TCTTCATTCT
203801 GGCTTTTTCA CTTTGCAAAA GTTGCCCATA CCCCATGCAG CATCTTACCA
203851 TTATAGTATT TTCTGTTTTC ACTGAACATT TACCTTTTAT CTTGGCAATT
203901 ATGTCTTCTG GTAGTCATGT GATATGCACG TACTATTATA CATTCATTAT
203951 TTTCTCCAGG CTTTTGCTTA TTTTGTCTCC TCCTCTTTCA TCTAAAACCA
204001 TGCTCATTAC TTTTCCTTGA CTGCCTGTCT TAACAGCCTT TTCCATGAAT
204051 TTTTTATTTT TGAGGTTTTG TTTAGTTTTT ACTAAATTGG CTCTACAAAT
204101 CTTTTTTCTC TAGCTTACTT GTCTTCTGTA CCACCTAGCT TAGTTCTTGA
204151 TGTTCTCTAA TAGTTCATGT GTTCCAGGTT TTTCCTGTCT TTCTAATAAC
204201 ATGTAAGTAT CTTGAGGTCA GAGAGATTGA TACAGTTTGG CTGTGTCCCC
204251 ACCAAAATCT CATCTCAAAT TATAGTTCCC ATAATCCCCA CATGTCATGG
204301 GAGAGACCTG GTGGGAGGTA ATTGAATCAT GGGGGTGCTT ACCTCCATGC
204351 TGTTCTCATG ATAGTCAGTG AGTTCTCATG AGATATGAAG GTTTTATAAG
204401 GGGCTTTTCC CCTTTTGCTC TCATTCTTCT CCTTCCTGCC ACCATGTGAA
204451 GAAGGATGTG TTTGCTTACT TTTCCACAAT GATTGTAAGT TTCCTGAGGC
204501 CTCCCCAGCC ATGCCAAACT ATGAGTCAAT TAAACTTTTT TCCTTTATAA
204551 ACTACCCAGT AGCCTTGGGT ATGTCTTTAT TAGCAGCATG AGAAGGAACT
204601 AATACAGAGA TCAAATCATA TTTTTGATAG CCGTCAGATA ATAGTTGTTT
204651 CATGAATTTT GCCCGTTAAT TAAAAATAAG ACTACATGGC CAAGTGCAGT
204701 GGCCCACACC TGTAATCCCA ACATTTTGGG AGCCTGGGCC AGGAGGATCA
204751 CTTAAGGCTA GGAGTTTGAA ACCAGCCTGG GAAACTTTGG GAGACCTTGT
204801 CTCTACAAAA ATTGAAAAAT CAGCTGTAGC CCTGGCTACT CAGGAGGTTG
204851 AGGCAGGAGG ATTGCTAGCT AGATCCCAGA GGTTGAGGCC TATGGTGATC
204901 CGTGATCTTG CCACTGCTCT GTAGCCTGGG TGACAGGGTG AGACTCTTGT
204951 CTCTAAAAAT AAATAAACAT AAGACACAGA AGCTAAATAT TTAAATCTCT
205001 TTAGTTTTCA CAGGAAGTCA ATAATGAAAC CAGGATCTGA GTAGAAACAG
205051 TTATTTTAAA ATCATAATAT CACAGTTTTA TCATATCAGT TTTTATAGTT
205101 GTAAAAATTT CACATCAGCA GAGGGCAGTC AAACCATAGT TCATTCAACT
205151 ATCTTATGGG AAATTAAAAT TTTCTCTGTG TTTTTCTGCT TAGGACACAA
205201 GCTGTACTTT ATATAATCAG TTTGTAAATA CATTTCAAAG CTCTTCAGTT
205251 GGTAAGCTGA TAGAATTGTA TTACTGTTTA GCCACGGAAG GTAAACAGTT
205301 TTTTTTAATA AATTTAAATA AAAGGAATTA ATTTTTTTAG ATCATGAAAT
205351 GCTTTATTAT TTGGTGTTTT TGATGGATGG CCACTTTACA TAGAAATTTG
205401 TTTTTTCTGC CTCAGAAGCA GTATTTCTGT TAAATTGCCT GTTATTAATT
205451 AGGCTATTTT TTATTCAAAA ATATTAACTT TTATGGAATA CCTTTATTTT
205501 CCCCTATGAA CTTGAGAAAA ATGAGTTTTT ATTAGAGGCT GTAGTATAAC
205551 ACTAACTAAA ATGTAGTTTG GAAAGTTTTA TTGAGTTTTT CTTCCTTAAC
205601 CTTTTCTTTG GCTGGCTGCA AACAACTAGT GATAATGTGT TTTTAGATGT
205651 GCTTATTTTC ACCTCTTCCT CCTGGGAGGTT AAGCTAGTAC TCATTAAGGA
205701 AAAAATACAG TTTATACTAA ACAGTGTTTA ACATATACTG ATGGTATTAC
205751 TGTATTTCCT GTTTTGTGTT CACAATGAGA AGATTCTGAA AAACTGTCTT
205801 TGTGTAAATA CTTTACTGAC ATACCAGACA AGTATAATCT TGTCTGCTGG
205851 TAGGCAGGAA AGAGTGATGT CCTGGAATGT TGTTGAGAAG GAAATCTCTT
205901 TGTGTTCCAC AAATGATACC CTTAAACCCT TTAAGAATAT AATTTTAAAA
205951 TGACAGCTCT GAATTTGCTT TTCCTTCCGT TTATTAACTT TTCATGCGTT
206001 TAAGTTCAGA AATGCATTTA GTTGGGAAAA AAACCATTGT GTCTGAGAAA
206051 GAAGTATCTC CCTGGTAGTT TGTGGGAAAT TATTGGTAGA AGTATCTCAG
206101 GGTAAACATA AAAACAGATT TAATAATTGT TGCTTTTTGT TTTCTTAGTT
206151 TAAACTTTTT CTGATACTTG AGTCAGGCTT TTGGTAATTC TCTACAGGCT
206201 TAAAAAAATG CAGCATCTCC AACAACCATC CGAAACATCT ACCCAAGAAG
206251 TAATTTGGGG AGATTGTTGT TAGAACACAA ATTTTTTTTA AAGTTAGAGT
206301 TGGAGTTTTT AAATTTTATT ATTTAATGTG AGTCATTAAG ACATATGAAA
206351 AGCTGTTGTG TAGTGTTAAC ATTGAATATT CTAGTGAATG GATTTTTATA
206401 TACTTAATTA TTATAGCTGA GAGTTCACTT AAAATTATAC TGATGTTTCT
206451 GTTCAGTGAC TGAAAAAAAA ATGATTATGG TTAAACCCTT AAATAATTGA
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FIGURE 3GGG

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206501 CAAAACAGAC ATCACAGACT AGACCTGTGT GTGATTTCTG GGTCAGTGGT
206551 TCTTTTTCTT CTTCTTCTTT AGTACTCCCA TCATTATTAC TTACAGTGAT
206601 TTTGTACTTC AGCTCTCACT CTAAAACCCA GCAAAATGGA GAATTATCTG
206651 TAAGAGTCTC CAAATACAAG GTTTAAAATG CTTGTTAATA ATTTTCAAAC
206701 TTTAGAAAAG TATTATATGC TTTTTTTCAT CTTGAAGTTC TTGCATTGTT
206751 AATGCATGTC ATATGTTGTA TCCTTTGTTA AAGTAGTTGC TTAAAAATAT
206801 GTGGGACATT ATCCTTCATA TAGACCTGTT TTCATAAATC TGCTCTGATG
206851 AATTCTGAAA TATGGAGGCT ACTGCATTTT CAATTAAAAA TCTTAAAGGG
206901 AATACTTTAA GACAAAGAG CTAAGTAATT CAAACAAGTA TTAACTAATA
206951 TGGTAGTTTC ATGGTATCAG AAATTCAGAT TACTTCTGTG CCATCCCTTA
207001 GGCCACATGG TAAAAAGTAT CTCACTGTCA CATTAGTTGG GTTCTCATTC
207051 AGGTCAACAA GAATTAGGAG ATAAGGTAAT AGCTCATCCC TGCCGTTTAA
207101 GAGCATAACC CATAAATTGC AGCTATCATT TACATCCCAT TGGCTAATCT
207151 TAGCTACAAG GTAATATTCA GCTGCAAGAG AGGCTGTAAA ATAAATATAT
207201 TCTCTATTTT GAGGGGCTGG GATTTAAATT TGGCTTTAAC TCAGGGGTTT
207251 CATTACTAAA GAGAAAAACT AACAGTCTCT GCGATTAACCT GTTAGCACCA
207301 TCAGCTGTCA TTGTCCACTC CTTCCTCTTT GAAACATTCC TCTTTGTTTT
207351 ACGTGACACA GTAATACCTA ATTTTTCTTC TATTTCTTTG TCCTCCTTGA
207401 CTCCTTTACA TATTTATTCT GGTCTGCCTA GCCACAGAAT GTTGCAGTTT
207451 GTCAAGGCTG GGCACAGGAC CCATCTTCTC TCATCCACAT CCATGGCTTC
207501 AGTTGTCAGC TGTGATTCAG TGCCTAATTC AGCTCAGATC TTTGCTCTGA
207551 CCGATTCAAC CATCTACTTA CATGTCTCAA AGGCACTTGC AGTTCAACAT
207601 GTTTTTAAAT TTTGTTCTAA ATTATATATA TAATTATATA ATCTTAATTT
207651 TATGAAGTAA ATTCTATTAC CATCCTTGAT CATACACGTG AGAAACTGAA
207701 ACACAGATGG TTAAGAAACT TGACCAACAT AGCTGGTAAC TGTTATGTGA
207751 GGTTTTTTGT TGTTGTTTTG TTTTTGAGGT AGGGTCTTAC TCTGTTGCCC
207801 AGACTGAAGA GCAGTGGTGC AATCATAGCT CATTGCAACC TCAAACTCCT
207851 GGGCTCAAAC CATCCCCCAC CTCAGTCTCC CAAGTAGCAG GGACTATAGG
207901 TGCAGGCCAC AGTGCCCAGC TAATATATAT ATTTTTTTAA TTTATGTAGA
207951 TATGAGGTCT CTCTATGTTG CTGAGGCTGG TTTCAAACTC CTGGCCTCAA
208001 GCAGTCCTTT CACCTCAGCT TCCCAAAGTA CTGAGATGAC AGGCGTGAGA
208051 CACGATGCCA GGTTCAGTTC TATCAGTTTT GATAAATGCA TAGAATTGGG
208101 TAACCACCAA CACAATCACA ATGCAAAACA ATTTATTTAC TCCAAAAATT
208151 TATTCTTGCA GCCACCACTG GTGGGATGTC TTCTTTCCAC CACTGACCCC
208201 TGGCAACTAC TGATCTGTCC TGTAGTTTTG CCCATTTCCC AAATGTCATA
208251 TAAATGTAAT CATGCCCATG TCATCTTTGA GTATAACCTC TTTTATTTCA
208301 CATGTTTTCG AGATTCGTCT GTGTTACTGT ATCAGTAGTT TGTTCCTTTT
208351 TTATTATTGG GTATTATTCC GCTATATAGA TGCACTACAG TTTGTTTATA
208401 CATAATAAAC AATAAAGGAC ATTTTAGATT GTTTGCAGCT TTTGCTATGA
208451 AGAATGTTGC AGTACACATT CACAGACTGG TTTTTATGTG AACAAAACTT
208501 CTTATATCTA ATATGATTCT AGGAGTGGAT TTACTGAATC ATAGGGTAAT
208551 TAACTGTATG CTTAATTTTA TATAAACTGC CCTATTACTT TCCAGATTGC
208601 CTGAACTATA TTCCCACCAA CAATATATGA GCATTCCAGG TGCCCTGCAT
208651 ACTTGCTAGT GCTTGTTATT GTCAGTGTTT TTTTTTTCTT TAGTTTTAAT
208701 CATTCTGTTA GTTATATAGT ATTATCTTAT TGTGGTTTTA ATCTGCATTG
208751 CTCTTATTAC CAGCAATATC AGGCATCTCT TCATTTGCTT ATTTGTAATT
208801 TGAACATTTT GTTTGGTGAA ATGTTTTCTT TGGATCAATT TTTACCCTTT
208851 CAATGGGTTG TTTTCTTTAC GTATTCTGGA TCAAAATCCT TTATCGAGCA
208901 TATTACAAAC CTTCTCTTAA TCTGTAGCTT GTCTTTTCTT TTTATTAACA
208951 CTGTAGTTCA CAGAGCAAAA AATTTTAGTT TTGAAGAAGT ACAATTTCCT
209001 TTTTTAAAAT CAACTCTTTA CTTATGTATA ATGTCTCCTA TGGGGATTTT
209051 TAAAATTATT TTTTTATTGC GGTAAAAAAG CACATAACAT AAAAGATACC
209101 ATCTTAACTG TTTATTTTTC TTTTCTATCT TAGCAGTTTC TAAGTTTACA
209151 GTTTAGTAGT ATTAAGTATA TTCACATTGT TGCACAGCCT CCAAAACTTT
209201 TTCATCATGG AAAACAGAAA ATCTGTACCC ATTAAACAAC TCTGCATTAC
209251 CTCCTCCCCC CAGTCCCTTT CTACTTTGTT TCTATGAATT TGACTGCTCT
209301 GGATACCTCA TATAAGTGGA ATTGTGCAGT ATGTGTCTTT TGTAACTGGC
209351 TTATTTTAAT TTAGCATAAC GTCCTCAAGA TTATTTTATG TTATATAATG
209401 TATCAGAATT TCTTTTTTGA GGCTGAATAT TTTATTATAT GTATATACCA
209451 CATCTTGTTA TCCATTCATC TGTAGATGGA CAGTTAGGTT GTATCCACCT
209501 CTTGGCTATT ATGAATAGTG GTATTACAAA CATGGTGTGT GAATATCTAT
209551 TTGAGATCTG CTTTCAATTT TTTGATATGT ACTCAGAAGT GAAATTGCTA
209601 GATCATATAG TATTTCTATT TTTAATGTTT TGAATAACTG CCATACTATT
209651 TTCCACAGTT AATAACATTT TATATTCATT CACAGTTAAT AACCATTTTA
209701 TATTCATTCC AATAGTGGGA ACAAGGTTTT AAATTTCTGA TTCTTTTCTT
209751 TTTTCTTTTT TGATAGTATG TATCCTAATG GGTATGAGGC GACATGCATT
209801 GTGATTGTGA TCTGTACTTC CCTAATGATT AGTGATTTTC ACTATATTTT
209851 CATGTGCTTC TTGGCCTTTT CCCCCCCAGA TTTATTGAAG TATGATTGAC
209901 AAACAAAAAT TGCATATCTT TAGAGTGTAC AACATGATGT TTATATACAC
209951 AGACACATAT ACATTGTTAT TAACTGTAGT CACCACCATG CTCTACATTA
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FIGURE 3HHH

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210001 GGTCTTTAAT ACTTATTCAT CTTGTGGCTG AGGGTTTGTA TCCTTTGACT
210051 AATATCGCAC TTTTCCCAAC CCTTAGGTCC CAACCATTCT ATTCTCTGTT
210101 AATAGGAGTT CAGCTGTTTT TTAGATTCCA CATATAAGTG AGATCATGTA
210151 GTACTTGTCT TTCTGTGTTT GGCTTATTTC ACTTAGCGTG ATGTTTTCAG
210201 AGTTCATCCA TGTTGTCGCA AATGGCAAGA TTTCCTTCTT TTTTATGGCT
210251 GAATTATATT TGTGTGTGTG TGTGTGTGTA TACATATATG TACATTCACA
210301 ATAGCCAAGC TATGGAAACA ACCAGTGTTC ATTGATAGAA GAATGGACAA
210351 AGAAAACATG ATGTGTGTAC ATATATATAT ATATATATAT ATATATGTGC
210401 ATATATATTT GCATGTGTAC ACACACATCA CATTTTCTTT ATTCATTCTC
210451 TGTCAATGGA CACAGGTTGT TTCCATAGCT TGGCTATTGT GAATAATGCT
210501 TCAATGAACA TGGAAGTGAA GGCATCTCTT CCGCATCTCT TCCGCATAAT
210551 GATTTCAATC CTTTTTTTTT TTTTTTTTTG AGACGGAGTC TCGCTCTGTC
210601 GCCCAGGCTG AAGTGCAGTG GTGCGATCTT GGCTCACTGC AAGCCCCGCC
210651 TCCTGGGTTC ACGCCATTCT CCTGCCTCAG CCTCCCCGGT AGCTGGGACT
210701 ACAGGCGCCC ACCACCACAC CCGGCTAATT TTTTGTAGTT TTAGTAGAGA
210751 CGGGGTTTCA CCGTGTTAGC CAGGATGGTC TCGATCTCCT GACCTCATGA
210801 TCCGCCCGCC TAGGCCTCCC AAAGTGCTGG GATTACAGGC GTGAGCCACT
210851 GCGCCCAGCC GATTTCAATC CTTTGTGTAT ACATTGCCAA CCTAAATAGC
210901 AGGCAGAGAG GTTCTCCGAA GATAATGGGT TTGTTCGAGA CTGCATAGAG
210951 GATTTGCAGT TCTGGGATAT GCAGCCTATG GGGACCACAG GCATATCCAA
211001 AGAGGTTCAG GCAAGGGGAT GCTTTTAAAG GTAAAGGAGA AAAGTAGTAG
211051 TTTATTTTGA AACAATGACA ACATTGGTTA CGGGGCTTAT CACAGGAGCT
211101 GACACCAGTT CTTTAGTGGA AACTGTGTCA GGCAAGTGTT CTTGTGCATC
211151 TGGCTAGCTG TCCTTGTGAC TCCTGTAACA ATCTGCAGTT TAGAACGTTG
211201 TGGTTACAGG CATATGTGCC TAAGAGTCCT TCATACAGTG TCTGTTATAG
211251 TTCCTATCAT AGGCGTGTGC GTGTGTGTGT GTGTGTGTGT GTGGCCTCCC
211301 TTTGTAAACT CCTAGCTTTA TTTATATATA TTTTTTGTTT GAGTTTGACA
211351 CAGGTGACTT CATTTTGATT CTGATACCTT TTACAATACC CAGTAGTGGG
211401 ATTGCTGAAT CATATGGTCA TTCTGTTTTT ACTTTTTTGG GTAACCTAGA
211451 CATTGTTTTC TTAAATGGCT ATACTAATTT ACAATATCAC TTTATATTGT
211501 TTTCTTAAAT GGCTTTACTA ATTTACAGTG TCACTAACGG TGGATAAGGA
211551 TTCCCTAGTT TTCACATCCT TGCCAAAACT TACTGTCTTT CATCTTTCTG
211601 ATGGCCAGTC TGACAGATGT GAGGTGACAT CTCATTGTGG TTTTAATTTG
211651 CATTTCTCAT TATTAGAGAT ATTGAGCACT TGTATTTGTT GGACTTTTGT
211701 GTATCTTTTG AGAAATGTGT ATTGAAGTTC TTTCCAGTTT TTAATAGGGT
211751 TATGTGTTCT CTTGATATTG AGTAGTTTGA GTTCCTTGTA TATTTTAGAT
211801 ATTAGCTCTT TATTAGATGT ATGATTTGCA TATGTTTCTC CCAATCTGGG
211851 GTTTTTCTCT TCACTCTATT GTTTCTTTGG TGTGCAGAAG CTTTTTAGTT
211901 TAATGCAGTT CCATTGGTTT ATTTTTGCTT TCATTGCCTG TGCTTTTGAG
211951 GTTATATCCA AGAAATCTCT GTCTGTGGAG CTTTTTCTCT TAGGTTTTCT
212001 TCTAGTAGTT TTATTTTCAG GTCTTCTGCT TAAGTCTTCA ATTTATTTTG
212051 ACTTGATTCA TGTATAAGGG GTGAGAAAG GGTCCATTTT TATTCTATAT
212101 GTGGATATTC AGTTTGCTCG TCATCACTTA TTGTAGAGAC TGTCCTTTCC
212151 CCATTGTATG TTCTTGGCAT CATCATCAAA AATCAATTGA CTATAGACAT
212201 GTGGATTTAT TTCTGCTCTC TCTGTCCTAT TCCATTCGTT GATGTGTCTG
212251 TTTTGATGCT AGGTATGGCT TTGCAGTATA TTTTATAATC TGTTTGTGTG
212301 ATGCTTCCAG CTTTGTTCTT TTTGGTCAAG ATTATTTTGA CTATTCTGGG
212351 CCTTTGTGAT TCCATATGAA TTTTAGGATT TTTTTTTTTT TTTTTTGCAA
212401 AGGATCCTAA GAAACTACTA TGAACAATTA TATGTCAACA AATCATATAA
212451 CCTAGAAAAA TGGATAGAAA CATTTAACAT AACAAAACTG AATCAAGAGA
212501 TTGGAAATCT GAACAGACCA ATAATTAGTA AGGAGATTGA CTCAGTAAGT
212551 AGAAGTCTGT CATCAGTGGA AAGCCCAGAA CCACATGACT TTATGGCTGA
212601 ATTCTACCAC ACGTTTAAAG AAGGGCTAAT ACTAAACTCT CTCAAACTCT
212651 TCTGAAAAAT TGAAGAGGAG GGAATACCTC CAGACTCATT TTATGAGGCC
212701 AGAATCACCC TCTTACCAAA GCCAGACAAA GACATTACAA AACAAAACTA
212751 TAGGCCAGTA TTCCTGATGA TCATTGATGT AAAAATTCTC AACAAAATAC
212801 TAGCAAACCA TAGTCAATAG TACATTATAA GGATCATTTA CCAGTAGATC
212851 AAGTGGGATT TATTCCTGGA ATGTAGATTG CTTCAACATA AGCAAATCAA
212901 TAAATGTGAC TTACCATATT AACAGAATGA AGGACAAAAA CTACATGATC
212951 ATTTCAATAG ATGCAGAAAA AGCCTTTAAC AACATTCAGC ATCCTGTCAT
213001 GATTAAAAAT CTCTTTAACA AATTAGGTAC AGAAGGAATG TTCCTCCACA
213051 CAGTAGAGGC CATATATGGC AAGTCTGCAG CTAACAGCAT ACTCAATACT
213101 GAAGAGCTAA AGGCTTTTTT TCTAATATCA TGAACAATCA AAGATGCTTA
213151 CCTATTCTCA CCATTTCTTT TGAACATAGT TCTGGAAGTC CTAGCCAGAG
213201 CAATTAGACA AGAGAAAGAA ATAAAAGGCA TCCTAATAGG AAAGGATGAA
213251 GTGAAATTAT CTTTGTTTGC TGACTACATG ATCTTATACA GTTACACCTC
213301 TGTATCTGTG GGTTCTGCAT CTTTGGATTC AACCAACCAC AGATTGAAAA
213351 TACTCAGAAA AAAATGGATA GTTATGCCTG CTGAATATCT ACAGACTTTT
213401 TTCTTGTCAC TCTTCATCAA ACAATATAGT ATAACAACGT TTACATAGCA
213451 TTTACATGTA TTAGGTATTT TAAGTAATCT AGCGATCATT TAAAGTATAT
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FIGURE 3III

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213501 GGGATAGGCA TAGGTTATAT GCAAATACTA TGCCATTTTA TATAAAGGAC
213551 TTGAGCATCC ATGGAGTTTA GTATCCTCCA GGTTGCCTGG AACTAATCCC
213601 TCATAGATAC TGAGGGACAG CTATATATAG AAAATCCTAA GGACTCCACC
213651 CAAAACTGCT AGAATTCATA AACCCAATAA AGTTGCAGGG TACAAAATCA
213701 ACCTACACAA ACCAGTAGCA TTTTGTTTTA CACTAACAAC AAACTGTCTG
213751 AAAAAAATTA AGAAAACAAT CTCATTTACA ATAGTATGAA AAAATAAGTA
213801 AAACAATTAG TAAACAAGGA AGTAAAAGAT TTGTAATTTC CAAATATTTG
213851 GAAATTTTTC AGTAACTCAG TGTCTTTAAC TAATAATTTA ATCATTCTAG
213901 TAAGAAAACA TGCTTTGTAT GATTTTAGTC TTTACATTTA TTAATTTATG
213951 TAAATTAATA TGTGGGTTTT ATGATCACCC ACGACATTGT CCTAACTTGT
214001 CGACTGTTCT GTGTGCTCTT TTAAAGAAGG TAGTCTGTTG GCCGGGTGCG
214051 GTGGCTTACG CCTATAATCC CAGCACTTTG GGAGGCTGAG GCAGGCAGAT
214101 CACCTGAGGT CGGGAGTTTT AGACCAGCCG AACCAACATG GAGAAACCCG
214151 GTCTCTACTA AAAATACAAA ATTAGGCCAG GTGCGGTGGC TCACCCCTAT
214201 AATCCCAGCA CTTTGGGAGG CCTAGACGGG CGGATCACGA GGTCAGGAGA
214251 TCGAGACCAT CCTGGCTAAC ATGGTAAAAC CCCGTCTCTA CTAAAAAAAA
214301 AAATACAAAA AAATTAGCTG GGGTGGTGGC AGGCGCCTGT AGTCCCAGCT
214351 ACCTGGGAGG CTGAGGCAGG AGAATGGCGT GAACACGAGA GGTAGAGCTT
214401 GCAGTGAGCC GAGATCGCAC CACTGCACTC CAGCCTGGGC AACAAAAGCA
214451 AAATTCCGTC TCAAAAAAAA AAAATATATA TTAGCTGGGC GTGGTGGCAC
214501 ATTCCTGTAA TCCTCGCTAC TTGGGAGACT GAGGCAGAAG AATCGCTTGA
214551 ACCCAGGAGG CAGAGGTTGC AGTGAGCCGA GATCATGCCA TTACACTCCA
214601 GCCTGGGCAA CAAAAGTGAA ACTCCATCTC AAAAAAAAAA AAAAGAAAA
214651 AAAGAGAATG TAGTCTGTTG TTGGGTGCAG TGTTTATAG AGGTCATTTA
214701 GTCAGTGGTC CCCAACCTTT TTGGCACCAG GGACCAGTTT TGTGAAAGAC
214751 AATTTTTCCA CAGGTGTGGG GCGGGGGTTG GTTTCGGGAT GAAACTATTT
214801 CACTTCAGAT CAGGCATTAG ATTCTCATAA GGAGCACACA ACGTAGATAC
214851 CTTGCACGCA CAATTCACAG TAGGGTTCAC ACTTCTATGA GTGCGCATCT
214901 AACGGTGCGG CTGATCAGGC AGTAATGCTT GCTTGCTTGT CTGCTGCTCA
214951 CCTTCTGCTG TGCAGACCAG TTCTTAATAG GCTGCAATCT GGTACTGATC
215001 CACAACCCGG GGGTTGATGA CCCCTGATTT AGGTCACTTT GGTTGATTAT
215051 GCTGCTATTC ATGTATTTGA TATTCTTGAA GAATTTCTAT TTGGTCTATT
215101 CTTTTGGTTC CTGAGAGAGA AATGATGAAG TCTCCAAGTG TAATTGTGGA
215151 TTTCTCTATT TCTCCTTTCA TTTTCTTCAG CTTTGCTTCA TCTGTGTTGA
215201 AGCTCTATTC TTAGATGCAT TCACATTTAT CAATTGTTGC ACCCTCTACA
215251 TCTCTTGGTA ATTTTTGTAT TCTGACATCT AACTTCCTCA GATTTTAACA
215301 CAATCAATCC ACTTTTCTTT TGCTGGTGAT CACGTGGTCT CATTTTACAT
215351 TCTTTTAACA TGTATGTATT ATTTTATTAC AGTTGACTTT CATATAGATA
215401 GCATTCAATT TGTATCTTGT TTGCTGTACA GTCTTAATCA GGTTTCTTAA
215451 AGTTGTGTTT ATACCATTTA GTATAAATTT CCATATGTTT GGGTTTATGT
215501 CTGTGACTTT ATTGTTTGCT GTTTGCTTCC GTTTTTCATT CTTCGGTTTT
215551 CCTTTTTCTG CCTTCTTTTG AATTATTGGA ATATTTTTA TTACTTTAAT
215601 TCATTTACTG GCATTTTAAA ATTTCTTTGT TTTGTGTGTT GCTCTAGCAA
215651 TTACAATATT CACATCTAAG TTTTCACAGT CTACTAGAG TTAATATTTT
215701 ATCACTTGAA GTTTCTATAC ATTAGTATAG AACCCTTACA ATGATCTAGG
215751 TCAAGAAGAT AGGGAAAATG GATATTTGAT GACAGCTGGG TGTCTGCCAC
215801 AAAGGACAAC ATTAAGTTGC CTTTTAGCCC ACACTTCTCT TAATCTTTTC
215851 TGTACTGCTT GTTATGCATC CTTTAATTAT TTGTTTATT CTATATTAAT
215901 TTCAGCCTAT AGTGTGCAAT TATATGGAAA ATAACGTTAT GTCCATGCCT
215951 CCTTTCTTGG GATATTTCCT AAATTCAGTA TGAGATTGTT GATATAGATA
216001 AGAAAACTGA CTTGCAAAGA GATTTCATTG CCCCAGGTAA CACAGCTAAG
216051 TGGGAGAGCT GCAATTTGTA CTCTGAGTCT GGTTTTGGGG TCTGCACATT
216101 TGACCACAAT GCTACTGCCT GTATTTTACT TAAGATAATA GTTATGTTTA
216151 TGACAAACCT CTAAGTATGT ATGACTTCTA AATTTACACA TTCTTTGAGT
216201 GTTCTAATTT CATTGTCATA AAAGCTTACT ATTTTCTCAT TTTTAAGACA
216251 TATTTCATAC TTCTTAAGAT AGCTCTTAAA TTTATTCCAG AAACTTTAAA
216301 CATTTTTGAT ATTGTTGAAC TAGTTTTGGA ATCAAACAA TTTGTGATTC
216351 CCACATAATT GCAGTTAAAT TTTTTCAGTG TAATTTTAAA AATACCTTAT
216401 GGGAAAATAC TACTGCAAGT TGTGTAACAC TTTAATTATC TATTTTTTGT
216451 AATCATAACA GCGTACACTT AACATTTGGA AAAAAAATAA ATATATTCAA
216501 AATATACTTT TTCATTTTTT TAAGGTAATA TTTGGTATTT ATAGGTCTTC
216551 AAGCCCAGGA GCCTACAACC GACAGACTGG GAACCCATACT TTATACTATT
216601 AGTGAATAAT AATAACAAAA ATAAGATTTA CATTTTTTCT TAGGATACCA
216651 GAGTTGAATA AATTCAAATT TAGAAACACA TATACATGTA TATGTATAAA
216701 ATATATGTAT ATCAAAGAAC TAGAATTTTT AATCAGACTC AAACCTTACC
216751 AGTGAAATGG GAATACTCTT TACATTATCC ACCTAAAATG TTCCTATTAA
216801 CCATGTGGTT TTAAGAGGTA TTTAAATTTT GGAATTTTTA ATAGCTATCT
216851 GTTTCTTCTG TAACTTTGAT TATATTATAG CTTTTCTTGA ATGAGGAGAT
216901 AAAACAGATG TAAATATTAA GACAAAGCT TGATGCCTAT GAAACAAATT
216951 ATTTCCAAGT ACATAGAGTG AAAATACTTT AAAAGCCTTT GAATTTGGCA
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FIGURE 3JJJ

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217001 ACTTTCTCTT TGCATTCCCT TTCCTGATTC TGTAGCAATC ACTGTCTTGT
217051 TCTTAATGAA CTGGTACTCA AAGGTCATTC AGAAAGATTC ATTAAAACCA
217101 GTAGGGAAAT AATTCTACAG ACTTCCTTTA ACCAACCTGT AGTTTTGTTT
217151 TCTTTCTTAA TAGCCTCAGG TCTCAGACAC AACCATCTTT TATTTATTTT
217201 TTCTTTCTTT CTGGAATCAA ATAACTTTTA AAGATTTGAG AAAATCAGCA
217251 CCAATATTTG AAGATTAAAA CTTGATCCAT CTGTCAGTTG GAATTTTGAT
217301 TTGGAAAAGC CGCAGGTAAC AGTGTAAATT CTAGTTTTAC AAATGTAGTA
217351 ATAAAGAATA TACTTCAGTG GCAATTTAAA CTTCATATTA GTGAATTAAG
217401 ATACTCAGTA AGTTTCAGGG TATTAGATTG ATAAAGCAAT ACCTGGATTA
217451 ATGACTAGTC ATTATGAGGT GTACTTTTAT CTTTCATTTA AGTCAAAACT
217501 TATGTTGCAT TACATGCTTT ACAAAAATTG CCACATTATT ACATTATGGT
217551 TTGGCCATAA ATAGGAGCAA TTTTGGGAAC CATTTATTTT GTGAATGGTT
217601 ACTGATTTTC TGAATCATTC AAGTTCTACA TTCTATTAAA TTTTATAAGC
217651 CTATTATTTA ATATGAGCTT TTTCTGTTTT CAGACTGATA CCCATTATTT
217701 TTCAGTCATA GCAGAGAAAT AGGTTTCCAG GATAAAACAA ATTGTTCAGG
217751 TATTCAAGCA GCCCTCAGGA GTAGGCAAAT ATCAACAGAT AGGTCACTGA
217801 GAGATCAAGG GATTTACTCT TTTCTTTGGT ATACCATAGT TCTTGAAGGC
217851 TAAAATTTTG GTAACTGTTT CAGGAAAATA AATACTGTAC TATATTTCGT
217901 TTCTTTCCTT CAATCCTGTT ATGTAAAGTA AACAAACCTG TTTTCAGAAT
217951 ATCTAACCTT TAGTTGAGTA AATGACAGGT AGGAAATAAA GCTGTTGATA
218001 CAGGAGAATG AGTAAGTGAA AAAATCCATC CTTTGTCAAC CACTCTTATT
218051 TTTTAAATTG AATCTGCTTT CAGTTTCAGT AGTTGGGAGT GCTAGATGTA
218101 CATAGCTTAA TGGATTTGGT GCTTAAAATT CTGGTTTTCT TCTTTTACTT
218151 ACATTCCAAC ATCACAATAG AAAATAATGC AAATAGCCTT CTAAATGATT
218201 GATATATGAT GATATGTTAG GCTTATTTAT TGAGTCAATG CTTCACACCT
218251 GTTCTGTGTC ACAACACCTC CCTTAGAGGA TAAGGTTTTT TTTTTTTTA
218301 AAAAAGCGAT TCTTTCTTGT AATGCCACAG GCATTATAAA TCTCTCAATT
218351 GAAAAATACT GAATTAAAATT TGCTTCTTAT TTAAAACTAC TTAAGGGTAA
218401 CCCTTTGTAT ACTTGTTTTT TAAAGTTGAT TGCTTATTAT CACATTGCTC
218451 TATGTGTATT CCCATTTTTT AAACTTTGAC AAGATACTAA TTTTTATATT
218501 CATGGTAATA ATAATCTTAA CATTATATAA CATTTTCACA ATATGGAGTT
218551 TACTGAAAAC AAATCTAAAA TTTTACATTT AAGTTCACTA AAGTAACACT
218601 TGTAGGATGA GAAAGATTTT ACTTGTTTGG TGGTACATGG AAATTTGACC
218651 CCACATGGAA CAAAAGTTAA CATTGTCATG AAACTACTAA AAAAAATGCT
218701 CGTGTCATTT TAGCCTACAT TAATTATAGC ATCTAGATTG CATAACTAAT
218751 AACTTCATAG TATTCTGTCC TGGTGAGATG ACATCTAGAA TATAACACAC
218801 AATTTTGAGA TTTCATGATT TGCAACTAAT TTTGGACATA ACAGGCAAGG
218851 TCCACAGCAT ATTTTTACCA TGGATAATAG AATGTAAAAT AGTTACTGTT
218901 TTCATGTGTT TAAAAGTCTG TTCTCTAGAA AAGACATGAT TTTAAAAGAA
218951 AGTTTCTAGC AAAACAAAAA GAATAACTTT GTGGTGAATT GGAATTTTTC
219001 ACTAGGGGAC TTGCTTGTTC TGGTAGGCAT TGATCTCCCA GTTGTTCTGG
219051 GTGCTTTTAA AAATTATATT ACATTTCTGC TGCATTGACT AGGAAGTTAA
219101 AATTAGCCAG GCATGGTGGC GTGGGCCTGT AGTCCCAGCT ACTCAGGAGA
219151 CTGAGGCAGA AGAATCGGCTT GAACCCAGAG GCGGAGGTTG CAGTGAGCCA
219201 AAATTGCCCC ACTGCACTCT CCAGTCTGGG TGACAGAGCG AGACTCGGTC
219251 TCAAAAACAA AACAAAACAA ACAAACAAAA AAACAGTGTT ACTCTATAGT
219301 GTACTGTGTT GCCAGATTTG TTTTGCCCAC CTGTAGGCTA ATGTAAGTAT
219351 TCTGAGCATG TTTAAGTTAG GCTGGGCTAA GCTATGATGT TCAGTAGGGT
219401 AGGTATGTTA AATATTTTTT TGATTTAATA TTTTGAGCTT GATGGGTTTA
219451 TCAGAATGGA ACTCCGTTGT AAGTAGAGGC TCGATCTGCA TCTTTGGAGA
219501 AACGTCTATG CAAGTTTTTT GCCCACTTTT GAGCTGGGTT GTTTGTTTTT
219551 TGTTTGTTGT TGTTGGGTTT TAGGTATTCC CTATATATTC TGGATATTAA
219601 TCCCTATCA GATAGATGAT TTGCAAACAT TTTCTTTCAT TCTGTGGGTT
219651 GCCTTTTTAC TCACTTGCCA CTTTTTTGTA GCAAACGTGA CCCCTCCTAA
219701 AAGGGGGGAT ATATGTATTT TAAGACCATT CCTTGGCAGT ATTGTCCTTA
219751 GAGCTTTAGG TTGACTATTT GAATTCGTAT GGTCTTTGAC TCATCTCATC
219801 ATCTAAAACT CCTTGATGTT TTCCTCCTTT CTTTAATGTT ATATAGACAC
219851 AACTGGGACA GCTGACAGTG AATATAGGTT ATATTTTTGC GAAGAATTTA
219901 GCAAGAGAGG TTGGCTGTTT GGCATTAAAT ATCTGTATCA CTGTGAAGTT
219951 TTTAATTGTT TTTGGATACT AATTATCACT GAACATGACC TAGAACAATA
220001 CCTTATTACA TAGAGTTACT CATTTGTCAA ATGTAGGAAT GAATGTATGT
220051 ATGCATGCAT GTAAGTACAC ATGCATATAG CCTTGGTAGT TACTACAGTG
220101 CTATCATAGA TGTAAAGTCT TTCACAGGCC TGGGTACGCA GCAGTCATGT
220151 TTTATTCATG GCCTAGTCTA GCATGGTTCC TGGTACTCTT AAGTTTTGGT
220201 GAATGTTCGT CATATAAATA AATATATTTA ATTTAGAAAG CATCAGAAAA
220251 ACTAACATTT GGATAAAGCA GATATAATTT TGTATTATAT ATGTGAGTAA
220301 TTTTCTTTCA TCTTTAAATT GTCATATTTC CAAGGAATCT ATTCATTGTT
220351 GATTTCATGT CCCTCTTAAA CAACTTGAGA TACGTTAACT TTGGTAATCT
220401 GTCATAGACT TCACTTCATT CTGTGGCCTT TAATTTAAGA GAATGGTAGT
220451 TCTTTAGATG CTCTCTCAGG GTTAATCTCC CAACAGCTGG AAAACCAAGA
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FIGURE 3KKK

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220501 ATGGCTGTGA AAAGTACTTC TTTACCTAAT ACAGGATTGC ATAACTACTT
220551 GCTTTTCCCT TAAAAATAAT CTGCAGTATA CATGGATCTT AAAATAGGAA
220601 TGATAACTCT TTTGTAGAAA TATTAGGGGA TCAGAAGAGA TAATTTATAC
220651 GAATCATTTG GCTTACAATT TGTTGTAAAG TGAGGCCTTG AGACGCAATA
220701 GCTATTACAG GGTGAGCATT CTAAGTTGGA AAATTCAAGA CCTGAAATGC
220751 TCCAAAATTT GAAACTTTTG AGTTCTAACA TAATGCTTGA AGGAAATGCT
220801 CATTGGAGCA TTTAGGATTT TGGATTTTAA GGTTTGGGAT GCTCAACCCT
220851 AAACCAGTAA GTATGTATAA TGCAAATATT ACAAAATCCA AAAAAAATCT
220901 GAAATCTGAA ACACTCTGGT CCCAAGCAAT TCAGATAAGG GGTATTCACC
220951 CTGTATTATT AGTTTTTCCA GAAAAAAAAA AAAAAGATTA TCAAAGATAC
221001 ACACCCGACT TTAGCACTAA AATTTTTAAG TTGTTGTACC TTCAATTGCT
221051 TTATTTTTCC CTTTCAATTC TAATGTTAAA AAATGTAATC CTGTTTTACA
221101 AAATATTTCA GCAAGTTTTC AGCAGTCGTC GCTATTACAT TAACTATAAA
221151 TAATCTTTTG GGAGACCTAT CAACATCTAC TTTCTCTTTC ACAATTTGAT
221201 AATTAACGTA TATCACATCT GTGCCTTTCT TTCTAGGGAT TTCCAAGATC
221251 TGATGGAATT TGCAATGGTT GATGTATATA TGGCTCTTAT CCATTGTCAG
221301 TAACCCACCT TCTTATGAGC TTTTCCAATT TTCGGGCAAA TAACTAAGTA
221351 CAGTATTTGT GCTGATATAG GTACAAGAGT TTAAAGAAGG CATGACTTAA
221401 GTGTTACTAA GAGGAAATAA GGAGAAATTA TGTTAATAAA TTGGCATTAT
221451 ATACTAATAA AGTTAGTCTC CAATCTGTGG AAACATGAAG AATAGAATGT
221501 AATGCTTTGC ATTTCTCGGT GGATGAATGA TTTTAAAATT TCATACATGG
221551 GGGAGAAAAT AAAAATACTC CTGAACCCAA AGCTTGACTT CATTCAGGGA
221601 TATGCATAAA CTTCTCTCTC TTTTTTTTTT TTTTTCCTTT AACCTGAAAG
221651 GACATTTAGA AAGCTAAATC TATTTTTCCT TCTTTTCAGT CAGAAAGTCA
221701 GGCCTCACCA GCAACAGACT ACTGGTGTTT TGTAAGGGCT ATATAATGTT
221751 TTCATCGTAA TGCTATATAA TGTTTTCATC TTTGTATTCG TTAGCCCAGA
221801 CTTTTTGTTT AGTACTAGGA AGTATTTCCA CAGATGTTGA GTGAGTGGAT
221851 AAATGAATTA ACTTGTGTGG TATACCTGGG GAAAAGGCAG TAAATGGGTA
221901 GAAAAACTCA AGAATAATCT ACACCTATGG GGTTGACAAC TTTTCCAGTT
221951 GCTCTAGGAA TTACTGTAAT CATTTTCTTT CTGTTATACT GCCTTATAGA
222001 TCTGATGGAA ATTTTGAAAA GAGTGTGTTC TCATTGTTTA GCTCTATATA
222051 TCTGTTGGCT TCATTTGCTT TTAATATTTT TTTCTAATAG ATACCTTTCT
222101 GGCTTGCACA GCAAAGTTCA ATTAATGTAA GGATAAAATG TAAATTATCT
222151 AATTCAGCTT ATTTACATGC TGTAAGTAAT ATAGTAATGC TAACTGGGCT
222201 TTCCTTGGCT TTTGTTTCAT TGTGATCTGA GCTCAGATTA TAGTTTGATC
222251 TGCTATGCGC TGACCTGGGT GCCAGATGCA AGGGAAGCCA GTAAATAATA
222301 CTATAAAGAG AGATGCTAGC TTTAGTTTTG AAAGGACGAT GACTTGTAAG
222351 TGAGACTGTT GTAAACCACA CAGTAATTAA AAAGCTCCAT AATTAAAAGG
222401 GATATTTCCT TTCTTTAACC TGTCTTAAAT GTTAGATATG ATTAAAAGCA
222451 AAAGCATTTC TCTCAATAAA GTTGGGGGAA AAGTACTTGT TTTTATAGTC
222501 AGTTTTTGAA ACATAGGAAA AGTGACCTCA AAGAACCTGT GTTGTAAAAT
222551 TTTCAGAGTC ATAGGAACTT GAACTTTGTT TCTTGATTAC TTGATGAAAT
222601 TGGTCATACT AGTTTATGAA TAGTTCTGAA TGGCCTTGTA GTCTTCTGTT
222651 GGTTTTGGTT TCATCTTTCA GTAGATGGAC CTGTGGAAAA GTGGAACTGG
222701 CTTTGAAAAT GTACTGGAAG CAGTTATTTT CCTAAGACAA TAATTTTTTT
222751 TCTCTTTTCC ATTTTCTTTA GAACATACAG GCTAGAAGAT CCACTCAGCA
222801 TTTAATGCAT ATGACTTTAC ATTGCTGTTT ATCTTTTTGT TTATCCCGAA
222851 ATTGGAAGCT TCTAAAAGGC AGAGATTCAC TCTCTTCCTG TGGTGGTTCT
222901 AGAGGCTGTG CCTTGCATAG AGTTAATTTT TAAAAAATAA TTAATAATTA
222951 TTTTTCTTAC CATTTCTATT ACTCATTTTT CAATTTGGAG AATAATTTTA
223001 CCTGGCCACA CTGATGGAAC TTGCATACAT GGGCCAGCTC TTTTACTCAG
223051 TTGCCCAATT TTTGAATGAA ACTGAAAACT GTGGACAGAT ACATCAGGGA
223101 AGAGGAACAT ACAGAGTAAA AGACATAAAA GCCTTAAAGT TGCTTCAGTT
223151 TCTTCATTTC ATCTTGTAAA TTACACAGGA GTCCTTCAGA TAAAACTCAC
223201 TGGTTATATG ACAAATTAAG CAATTAGATT ACTGCACACC TAATAATAGT
223251 AGCAAATAAT GCACTTTCAA TCTGCTAATA TGTTAAGCAC TTTTCATTAT
223301 CTCTTCCTTT TACATAAGGG GAATCTGAAG TTTAGGGAAT TTAAAACTTC
223351 CACAAAGTTA GTAGTCAGTA GTTTATATAC TAGTATTAAA TCTGTTTAAA
223401 TCCAAAGCCG GTGACATTAA CAGTTTCCAA ACGATAATAA CAAAAGTGAA
223451 AAATGTTAGT ATCATTCCTT GAGAATTCAC TACATAAAAT TCTCTTCCAA
223501 ATATTTACTC ATTTTATAGA TTAGGAAACT GATCCCCAAT GAGGTATATC
223551 CTTTTGGTAT ATTGGTTAAA GAATAATATA TCTACTTGAG AGTGGCATCC
223601 TAATTACTGA AAACTGGACT ACGAACTTTT AAAGTTTAAT TAACAGTAAT
223651 TTAATGTATT TTTATGTTAT TTCTTAATCT TTGGATTATT TTTTCTTTTT
223701 GGAGGTTGTG TATACTCTGA ATACTTATAG CAGTACTTCA GAACAATTTA
223751 GAACATATTT GTACTTCTAA TGCAAATTTA ATGTCTAGAA TCCTGTTAAC
223801 ACATGTGATA AATGCCAACA GAAAGAGATT GATTTGCTGT CATGAATTAG
223851 ACTGACAGAT TTCTCAACAA CACTAGATGC AAGAGGCCAC TAAATAGGAA
223901 ACTAACTTTG AACCTAAGAT TTTATCCAAC TAACTTATTT AAAATATGAGG
223951 GAGAAGTAAG GATATTTGCT CATATACAAG ATCTCAGAAA ACTTACTGTA
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FIGURE 3LLL

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224001 CCAACACTAT TTCTGAAAAG CACCAGGCAA GAAAAGTATG TCCAGAAGGA
224051 ACTAGTGAGA TATAGTTAGT AAAAGGAAAT AAAGAACCCA AGAAAGGGTA
224101 TAGTTTTATA GCCACACAAT GGGGAGAAAA ACGGAAAAGA AGGGGAAGAA
224151 AAGAAATAAG AGCCAAGTAA TTTGTTGGCT TAGAATTAAA ACTCCAGGTA
224201 ATATTAGTCT TTCAGCAGTT ATGGGGACAA GATGGGTAAG GAAGTCAGTT
224251 AGAGATCAGA GTAGGTGAAA ATTTTGAGGT TCTTGTATTC ATCAGGGAAA
224301 GTATTTATGA ACTTTAGACA CTAACAGTGA AAAATATGCA TAGTTATGAA
224351 ACTCAAAATT AAGCTCTCTG TTTAATAATA GACATCAGAG ATAACATGAA
224401 CAGATACTGA TAAATTGAGA AAAGAGCTTC AGTACCAAAT GAAACAAAGA
224451 ACACAGATTT CCAGGTGCTT TTTTATCTGA TCATGTTGCA GCACCATTGG
224501 AACCATTGTG TCACTTTAAC CAAGCCTCCA ATATTTTTAT TCTTTCAGAT
224551 CACAAGGGGT GGATGCCAAA CCTCTCATTT TTTTCCTCAT GATTACACTA
224601 CAAGGCAAAG CGCACAGGGT TTGAGTTCGT TGCAGTTGCT AGGGACATAC
224651 ACCTAGGGAC TGACTACTAG GGCAACCTAT GCTGTCATGT CACATTGTTC
224701 ATAAGTCTTC CGTGAGCAAA GATCTGTCCC AACAAATGCC CCATACTCCT
224751 TTCACTTCCA AGTTATTTTC TATCCTAAAC AATTTTTCCT TCCTTTATAC
224801 TGGAAACTCC AAGATCTATA ACATTTTATC ATAAACTTGA TCTTATTTTA
224851 TATTATATAT TTGTGTTCCC ATTTCACTCT TCTGTTATCT TACTCTAACA
224901 CTTAAATGCT GTATGATCAA AGTTAACTAA TTTCTTAAAT TTAATGAATC
224951 TCTTTAAACC AGGAGATGTC ATGTCTTGGT TGTGCATGGT ATACATAGGA
225001 ATGATAGTTT AAGGAAACCC ATTTCTAGAT CTTTAGTGCC TAAAACTGAT
225051 CTGCTTGAGA ATTCACTTGT GATGGGGGTG GAAGTTTCTC TTCTCCAAAC
225101 TCCTCTTTAC CTCTGAAGCA TCAAACAAGT GGGCAGTGGG AAATACAGGT
225151 ATTACGTTTG AGAGAATAGA TGGCACTAAA GCCATCTATT ATTAAACTGG
225201 TACTCAGTAC CAGTTTACTG AGTGTGGTCT GAAGATCATA ATAATTACCA
225251 TTTGCCTTTT TCATTCTTAT TTTCTCAGTA GTTACAATTA AAAAAGATTT
225301 TCAGTTGTTA TCTGTCATCA TTCCTGATTT ATAATATGA CAGATTTCAA
225351 ATACTTGAGG AATATGATTA GAACAGAATT ACTTCTCGCT TATTTGTATG
225401 AACAAGGTTT CTCTGTACTT TATTCCACAA ATTTTTTTTA GAAATTGAAA
225451 TAGAATCTAA AAAATTGAAT TGTAGCAATA AGTAATAGTT TACAATGTCT
225501 ATAAAAATTC ACTGGGGAGG GAGACTAATA AGAGGATTCC AGCTGTCTCA
225551 TTAAGAAACG AACTTTCTAT AACCTTAATG TTTAATTATA TTTTCCAAAA
225601 ATCATTAATA CATTTATGTA ATTGTACATG AATCATTGTA ATGCTCATTC
225651 AATCCAGAAG AAACGTAATA CTTAGAACCT TATGTTCATA TGAGTGAACA
225701 TTTTTTAAAA TTTCAAAATA TGTGCATATT TTTCTAAGAA TTATTACAAG
225751 ATGATCAGAG AAAGAAGGAA ATTCTATTGG GATAGTAGAG TAGAAGTACA
225801 AATTCAAGGA GAAAAAAAGA GCAGTGTAAA ATTTCTCAAA GATATCTTTT
225851 AAATAGATGG TAGTGTTAAA TCACTGTATA TTTAAATCTG TTGAATATGT
225901 TGAAAGAGTT GATGTAAAGG TCTTATTTTA AAATCTCAAT ATTTACAAAA
225951 CTCTGGAAAT TACATCCTTT ACCACTATTT AAACATGGGT ACATGTGAGA
226001 AGGCAAAAAT CTCAATTTTC TTTTTTAAGT ATACATACAG TTCCTTTTTA
226051 GCACTAAGAG CTACGTGTGC ATAATGATTG AGACCAGAAC TCCACATTTT
226101 GTTGAAAAGT GGGGAGTGAG GGGGAGAGAG AGAAATGCTT TTAAAATTAA
226151 ACAATGAAAC TTTTCCGGGG AGTAGTGAAG AGTGGGTGGT TATAAAATGA
226201 CTTGGAAGCA GATCAGCTGG AAAGGTGAAA GAATCAGAAA GCAAATATAG
226251 CAGTGGATAA TGGAGTTGAT CTGTAGCTAG CCTATAGCAA CTGCCTTTAC
226301 TATATTTTAA TATGTGCCAT TAAGTGTGTC TCTTGATTGC TTCTGCTTTC
226351 TGCCAGTATG GCTTACTGTT GTAACTAGAG TTAGTTAGCT GGCCCACTGA
226401 TACCACCACC AGAGCCTTTT CTAATCTATT ATAGATTTCT AACGTGGGAT
226451 AGGAGGCCAA CAATGTTTCT TTGATTACAA ATAGGAGGTA CATACCTTGC
226501 CAAAAATTTG CAACATGATA GAATTGAAGT CAGTACAGAA CACACACACA
226551 CTCTATTTTT TTTTTTTTTT TTGAGACAGA GTCTCGCTCT GTCGACCAGG
226601 CTGGAGTGCA GTGGCACGAT CTTGGCTCAC TGCAACCTCT GTCTCCCGGG
226651 CTCAAGCAAT TCTCTTGCCT CAGCCTCCCG AGTAGCTGGG ATTACAGGCA
226701 GGTGCCACCA TGCCCGGCTA ATTTTTTGTAT TTTTAGTAGA GACAAGGTTT
226751 CACCATGTTG GCCAGGCTGG TCTCGAATTC CTGACCTCAG GTAATCCGCC
226801 TGCCTCGGCC TCCCAAAGTG CTGGGATTAT AGGCGTGAGC CACGGCGCCT
226851 GGCACACACA CACTGTTTTT ATACCACTGT TACTTTACAG TTTGCCCAAG
226901 TTATGACAGA GATGGCACTT ATACTTAGTA AATAAATTTG ATAAGTTACA
226951 GGCTTACAAA TGGAGAAATC AAGAATCAGG TGACTAAAGT GAGATGGAGA
227001 TAAAACTAGA TAAGATGAGT CTTTGCTGCA ACACTTGACA AAATCCTGGG
227051 AGAAAGGATA AAACCATCTA ATTCATAAAA TTTATAATAG GCCAATGGAC
227101 TGGAAAGAAA AAGAAATACA GGAAAGATAC TGTGGAAGAG AAATTACAGA
227151 AAAAGGTGAG GAAAAAGTTA ATGTCTGGGG ATGGGAATAA AATGAGAAAT
227201 GGGGTTTAGC TGTCTATAAT AAAACAAATA GAAAATGAAG ACCAAAGCTT
227251 TTTCTCTGCT TCGATTTGTA CTTTTCAATT TCATAATATG TTTGTCTAAA
227301 TCAGTGATTA TCAAAAGGGC TCTAAGGTGT GCATCTGAGA ATTATGCATG
227351 TACATCAGAA TATGCAAATG TTCTCTTTTC TTCATAAGAT TCTGGTACAA
227401 CTTAATGATC TTAAAAAATG CTTACCCAAT CCCACCTCAC ATAGGCACAC
227451 ACAAAAACCA CTGGATATTT AGATGGAACT GTGCTGTTCA TTTCAATGGT
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FIGURE 3MMM

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227501 GTTGAAGCCT AACTAATGTG ATTTTCATCA TGTAGCAAAC ATTTAAAACT
227551 TTTGAATTTC CTAAGCATTA TTTTAGGAAA TAGCTTTTTT TTTTGGTCAG
227601 AGTCTCACTC TGTCGCCCAG TTTGGAGTGC AATGACATGA TCTCTGCTCA
227651 CTGCAACCTC CGTCTCCTAG GATCAAGCAA TTCTTCTGCC TCAGCCTCCC
227701 AAGTTAGCTG GGACTACAGG CACACGCCTG TAGTTCAACA TATGCAAATC
227751 AATAAACATA ATACATCACA TAAACAGAAC CAATGACAAA AACCACATGA
227801 TTATCTCAGT AGATACAGAA AAGGCCTCCG ATAAAGCTCA ACACCCCTTT
227851 ATGCTAAAAA TACTCAATAA ACTAGGTATT GATGGAACAT ATCTCAAAAT
227901 AATAAGAGCT ATTCATGACA AACCCACAGC CAGTATCATA CTGAATAGGC
227951 AAAAGCTGGA AGCATTCCCT TTGAAAACTG GCACAAGAAA AGGATGCCCT
228001 CTCTCACCAC TCCTGTTCAA CATAGTACTG GAAGTTCTGG CCAGGGCAAT
228051 CAGGCAAGAG AAAGAAATAA AGCGTATTTA AATAGGAAGA GAGGAAGTCA
228101 AATTGTCTCT GTTTGCAGAT GACATGATTG TATATTTAGA AAACCCCATC
228151 ATCTCAGCCC AAAAACTCCT TAAGCTGATA AGCAACTTCA GCAAAGTCCC
228201 AGGATACAAA ATCAATGTGC AAAGATCACA AGCATTCCTA TACACCAATA
228251 ATAAACAGAG AGCCAAATCA TCAGTGAACT CCCATTCACA ATTGCTAAAA
228301 AGAGAATACC TAGGAATCCA ACTTACAAGG GATGTGAAGG ACCTCTTTAA
228351 GGAGAACTAC AAACGACTGC TCAAGGAAAT AAGATAGGAC ACAAACAAAT
228401 GAAAAAATAT CCCATGTGCT CATGGATATG AAGAATCAAT ATCATGAAAG
228451 TGGCCATACT GCCCAAAGTA ATTTGTAGAT TCAATGCTAT TCCCATCAAG
228501 CTACCATTGA CTTCCTTCAC AGAATTAGAA GAAACTACTT TAAGTTTCAT
228551 ATGGAACCAA AAAATAGCCC ATATAGCCAA GACAATCCTA AGCAAAAAGA
228601 ACAAAGCTGG AGACGTCACA CTACCTGACT TCAAACTATA CTGCAAGGCT
228651 ACAGTAACCA AAGCAGCATG GTACTGGTAC CAAAACAGAT ATATAGACCA
228701 ATGAAACAGA ACAGAGGCCT CAGAAATAAC ACCACACATC TACAATCACA
228751 TGATCTTTGA CAAACCTGAC AAAAACAAGC AATGGGGAAA GGATTCCCTG
228801 TTTAGTAAAT GGTGTTGGAA AAACTGGCTA GCTATATGCA GAAAAAATGA
228851 AACTGGACTC CTTCCTTACA CCTTATACAA AAATTAACTC AAGATGGATT
228901 AAAGACTTAA ACATAAGACC TAAAACCATA AAGACCCTAG AAGAAAACCT
228951 AGGCATTACC GTTCAGGAAG TAGGCATGGG CAAAGACTTC ATGACTAAAA
229001 CACCAAAAGC AAAGGCACCA AAAGCCAAAA TTGACAAATG GGATCTAATT
229051 AAACTAAAGA GCTTCTGCAC AGCAAAAGAA CTATCATCAG AGTGAACAGG
229101 CAACCTACAG AGTGGGAGAA AATTTTTACA GTCTATGCAT CTTACAAAGG
229151 CCTAATATCC AGAATCTACA AAGAACTTAA ACAAATTTAC AAGAAAAAAA
229201 CAAACATTCC CATCAAAAAG TGGGTGAAAA AGTGGGCGAA GGATATCAAC
229251 AGACACTCCT CAAAGAAAGA CGTTTATGCA ACCAACAAAC ATAAGAAAAA
229301 AAGGTCATCA CTGGTCATTA GAGAAATGCA AATCAAAACC ACAATGAGAT
229351 ACCATCTCTC ACCAGTTAGA ATGGTGATCA TTAAAAAGTC CAGAAACAAC
229401 AGATGCTGGA GAGGATGTGG AGAAATAGGA ACGCTTTTAC ACTGTTGGTG
229451 GGAGTATAAA TTAGTTCAAC CATTGTGGAA GACAGTGTGG CGATTCCTCA
229501 AGGACCTAGA AACAGAAAGA CCATTTGACC TAGCAATTCC ATTACTGGGT
229551 ATATACCCAA ATGATTATGA ATCATTCTAT AAAGACACAT GCACACGTAT
229601 GTTTATTGCA GCACTATTCA CAATAGTAAA AACTTGGAAC CAACCCATAT
229651 GCCCATCAAT GATAGACTGA AATAAAGAAA ATGTGGCACA TATACACCAT
229701 GAAATACTAT GCAGCCATAA AAAAGAATGA GTTCATGTCC TTTGTAGGGA
229751 CATGGTTGAA ACTGGAAACC ATCATTCCCA GCAAACTAAC ACAGGAACAG
229801 AAAACCAAAC ACCTCACATT CTCATTCATA AGTGGGAGTT GAACAATGAG
229851 AACACATGGA CACAGGGAGG GGAACATAAC ACACTGGGGC CTGTCGGGGG
229901 ATGGGGGTGG GAAAGGGGAG GGATAACATT AGGAGAAATA CCTAATGTAA
229951 ATGATGGGCT GATGGGTGCA GCAAACCCAC CATGGCACAT GTATACCTAT
230001 GTAACAAACC TGCACACCTA TGTAACAAAC CTGCACATTC TGCACACGTA
230051 TCCCAGAACT TAAAGTATAA TAATAAGCAA AGATAATTAG AAGACAAGCT
230101 ACAGGCTGGG GGAGAATATT TGCAAAAGAC ACATCTGATA AAGGACTGTT
230151 ATCCAAAATA CACAAAGAGC TTTTTGAAATT CAACAATAAG AAATCTAACA
230201 ACTGGATTTA AAAATGGGTG AAAGACCTTA ACAGACACCT CACCAAAGAA
230251 GATATCCACA TATCAAATAA GCATATGAAA AGATAATCTA CATTATACAT
230301 CAAAAGAGAA ATGCAAATTA AAACGAGACA TCACTACACA CTTGTTAGAA
230351 TGGTCAAATT CCAGAACACT GACAACACCA AATTCTGGCA AGGATGTGGA
230401 GCATCAAGAA CTTTCATTCA CTGCTGGTGG GACTATAAAA TGGTACAGCC
230451 ACTTTGGAAG ACAGTTGGAT AGTTTAAAAA ACTAAACACT CTTACCACAT
230501 GATCCAACAG TTGCGCTCCT TGGTACTTAC CAAAAGGAGT TGAAAACATG
230551 TCCACACAAA AACCTGCATA CAATGTTTAT AGGAGCTTTA TTCATAATTG
230601 CCAAAAGTTG GAAGCAAGGG ATAGCTGACA TCTGATGGAT AAAATAATAA
230651 ATAGAAGAGA AACTTGGGAG ACTGAGATTT CTTTAACAGC GGTTATAATA
230701 GCTAACATTT ATTGAATACT TAAGTGGCAT GCAGTGTCTT GAATGCTTAT
230751 GTTAAATTAT ATATCTTCCC AATAACAACC ACATGTATCT GATTATCAAA
230801 GAATTTTCCT CTTGATTACT TTTGTCATTC AGATATTTAT TAATTCTTCC
230851 ATTATCTCAG TGGGCAATTG AGTCATGTCC TAGCTTCCTC TTTTAGGTGG
230901 AAACTTGACA GGCCTAGAAT GTCCACAGTG GCTCACCTAT ATGTCTGGCT
230951 TATCTGGGAC TTTCTCCTGT AGCACCTTCG AACTCTTCCA CATGGCCTTT
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FIGURE 3NNN

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231001 CTACAGCATG GGCTTCTCAC AGCATGGCAG CCGAGTTCCA AGGCAGAACA
231051 TTTCAAGCCT TGGAAAGGAA AAGCTGCAGA TCCCTGAAGG CTCACTCTGA
231101 ATTTATACTA TGTCACTTTG CCAATTCTCT TGTCCTTTGT TTTGATAGAG
231151 CATCTCACAG GGCTAGCCCA AATTTCATGT AGATTCAACC TCTTGATGGG
231201 TAGAGAAGAA AACTTTTTGT ACCCATTTTT TTTCTTCGAC ATTTATTTTA
231251 AGTTCCAGGG GACATGTGCA GGATGTGCAG ATTTGTTACA TAGGTAAACG
231301 TGTTTGCACC CGTCTTTAAC CCACTACAGA TATTATGATA GTTTCCTGTG
231351 TTGTTATTAT TACTGTAAAA TTATATTTAT AAGGGTTAAC TGCCTTTTTT
231401 ACTTGTAATA ACATGAACAT AAAAAATACC AATGCAACAT GTAAAGGTAG
231451 CTCCAAAAAT TAGTAAGCAC AAAGAAAATC AAGCAAAATA AGCACAATAA
231501 AACCACAGTA GGGCATATCC TAATGAAACT GTTGAAAACC AGTGATAAAA
231551 AGAAAACTTT AAAAGCAGTC AAATGGAAAA AGAAAAAACA AACCCACACA
231601 TTAAATACAA AGGAAAAAAA GTAATAATTG TCATTAACTT CTTGGCAGAA
231651 ACAGTGCAAA CCAGGAGGCA GTGGAATGCT GTCTTTAGAG TTCTTAAAGA
231701 AAAAACTGTT AATCTAGAAT TCCCTTTCAA GCAAAAATAT CCCTTAACAT
231751 ATGAAAGTGT AGTAAAGACA TTTGTCTTTC AAAGACTTTT GAAAGACAAA
231801 ATTATCGGAC AAATTAAACT TGTGAGAATT TCTTGTTAGC CAACTTGAAC
231851 AACACCATGA GAAATGATAC CAAGTTCTTG AGGCTGGAGG AAAATGAAGC
231901 AGATGGGAAC CTGAATCCAT TCACTAGATG GAAGCTTGAA AGAAATGGAG
231951 GAGAGGGTTA GACAATGTGA AGATTTGAAT AAAAATAAGG GAGCTTTTTT
232001 TTTTCTCATT TTCCAGTTTA TTTAAAGATA CTTTACTGTT TAATGTTAAA
232051 ACCGATATTA TAGAGTTCTG TAATATTCAT CAAAGTATAT ACATGACAAT
232101 ATTGCCACAG ATGACAAGAG AAAGGAAAAT GGAAACATAT CCTTATAAGC
232151 TCTTAAAGTG ATAAAATAAT ATTTGTAGAC AGGTCAACAG TTTAAAGTAG
232201 CAGAGTACAG CATCTAGCTC CCAAGACAAT TGACTGCACA TCTAAGGTGA
232251 TACTGCCCTA TACAGGCTAC CAAAAGTGTA TGATAAGTGT CCATAGTGAG
232301 ATTTTAAGAG TAAAAACTGT CTGAATTTAA GGATTAAAAA CTAAAAAAAT
232351 AGAAACAGTT GAATTTTTGA AACAGTGAAT ATTCAACCAA TCCTAGCTTT
232401 GTCAGTTAGT AGCTGTGTAA CCACAGCACT TAAATTTCTT TGGACCTTAA
232451 TTTCCAAAAG GAGATCATTG ATATCAACTC TATAAGGAAG GTTATGGGAT
232501 GGATTAGAGA AAAAAATATA TTAAGAGAAA AGCATAGTGC CTAGTGCTTG
232551 ACATATATAT AAGAAATTTA ACAAATGTAA CACGTATTGT TAAAGAAATT
232601 TAAAAGGTCA AAGTTAGTTA CTTTGGAGAC CTCAGTAAAG GTGAGGAAGC
232651 AATACAACAG ATGATTTTGA CAAACATTAG AAAATCTGAA TCTCTTGCCA
232701 ACATTTTTTT CTGTCCACTT CTGCCCCTGC CTGCTTCCCT CTTTCCCTCT
232751 TTTCTTCCCT CCCTCTCTGC CCCTCCTCCT TATTGTTCTC TTGATCTGTG
232801 AACATTCTCT TGAATGTTTC TTTCCTGTTG AGTATCTATC CCTATTTCTG
232851 TTTATTTGTT TGTTTATTTA TTTAGACACA GAGTCTCACT CTCGCCCAGG
232901 CTGGAGTACA GTGGCATGAT CATGGCTCAC TGCAGCCTCG AACTCCTGGG
232951 TTCAAGCAGT TCTCTCACTT CAGCCTCCCG AGTAGCGTGG ACTACAGGTG
233001 CACACCACCA GACCTGGCTA AGTTTTATAT TTTTATAGAG ACAAAGTTTT
233051 GCCATGTTGT CCAGGCTGGT CTTGAATGCC TGAGCTCAAG CCTTCCTCCC
233101 ACCTTGACCA GTGCTAGGGT TACAAGCATA AGCCACTGCA CCCAGTCTTA
233151 TCCCTATTAT GTAATTTTTT TTCTCCTTTC TTCTCATTGT CTTTTTTTCC
233201 CTGTCTTCTT TTCCTCCACA TTCCTTCTTG CTAGTCAAAA TAGTGAACAG
233251 AGTTACATTT TTTAGTATAT GCAATTGGCC TTGTGTATCT TTTGCTTTTG
233301 CATCTACAGT TTCAACCAAC TATGAATTGA AAATATTTGG GGTCGGGGAA
233351 CAAAAATTAA CAATACAGCA TTTTTCAAAAT TTAAATTGTT AAAAAAAATAG
233401 TATAACTATC TGTAGCATTT ACATTGTATT AGGTATTATA AGTAATCTAG
233451 AAATGATTTA AAGTATACAA GAGGATGTGC GTAGGTCATA ATCAAGTAGA
233501 TACCATTTTA TATAAGAGAC TTGAACATCC TCAGATTTTG GTATCTGCAG
233551 GAGGTCCTGG AACCAATCCC TCATGAATAC CAGAGAATAG TATTTTATTT
233601 TTTGAGCAAC TAAAATGTTG TTTTTCTGTT AGTTTAAAG CATAGTTTGA
233651 TTTTGTTTTA AACAAAAGTT CATCTTGGTA CCTGTATTAG TCCGTTCTTG
233701 CACTGCTCTA AAGAAATGCC TAAAATTGGG TAATTTATAA GAAAAGAGAT
233751 TGAATTGGCT CATGGTTCTG CAGGCTGTAC AGGAAGCATG GCAGCTTCTA
233801 CCTCTGAGGA GGGCCTCAGGG AGCTTTTACT TACGGTAGAA GGCAGAGTGG
233851 GAACAGATAT TATAAATGTT AAACTCGTGT ATGTAATTTA AAGGGACTAA
233901 CACCCAGGAT ATGGCTAGAC CTTAAGTTAG GACTCTCAGC TACATGGCTG
233951 TGTTTAGTTT GCAAGTTTAT CTCTTCATCA TAGTTCCTTC AAGTATGCTT
234001 GTCATTTCTG TTTTGAACAG AAAAAAAAAA TGGAGCAAAA TCTTGAAGTT
234051 GTAATATAGA AGTTTGAACC AGGGGTAGAA TACTGAAACA AACATGTTAA
234101 AAGATGGGGT CTAGGCTTCA CATTACGTAC GTAACCCTTC AAGGGCCTAT
234151 TCTCTATGCT GTAGCTTTTC AATTAATGTC AATAATAGAA TTCTTAGTAC
234201 AAAATTCCTA GATACCTAGT CACCATTTTT AAACATTAGC TTGTCAGGAA
234251 AATGTGCCAA AAAGTTCCAA AACATGAAAT TACAAATAAA AACTTAGAAA
234301 ATAATCCCTT TAGCAATTGG GAACTGCCTC AGTACCTACT CAGATTGGAA
234351 ACCCTCAACT TGGTCATGTT TTTTATCACC AAGACAGCTG GTATTGTTTA
234401 CAACATATGT CTGAGTATTA TTTTTAAGTT TCTAATTGCC AGTATCTCCA
234451 GTTTTTAAAA GGACACAAAC CAACCTCTTT GTAAAACTTC TGCCCTCCAA
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FIGURE 3000

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234501 AGGCTTTATG TTCTCTAAGA TAGTTAAGAA GATTAAAAAA AAAAAAAAAG
234551 AAAAAAAAAG AAACTCCTGT TCTTAATGAT CCCATGCTGA TAGTTTTTTT
234601 TTGGATAAAG TGTAGGCTGC TGTTCATAGA GATGCCAAGT ACATATGAAA
234651 GGAGGGACTC ATATGGAAGG TGAACTTATT ACCAGAAATC CTAACCTGCA
234701 GGTAGGGTTT CTTTCTTCCT CAAAATAAAA ATTAACCCAT GGGGTGAGAC
234751 GCAAATTTGG CAACAACACT GAATGATCTC TCTACAAGCT TTTTTTTTTC
234801 TTTTTTGAGA CAGAGTCTTG CTCTGTTGCT CAGGCTGGAG TGCAGTGGTG
234851 CAATCTTGGC TCACTGCAAC CTCCACCTCC CAGGTTCAAG CAATTCTCCT
234901 GTCTCAGCCT CCCGAGTAGC TGGGATTACA GGTGCCTGCC ACCACGCCCA
234951 GCTAATTTTT GTATTTTTTT TTTTTAAGTA GAGACAGGGT TTCACCATGT
235001 TGGCCAAGCT GGTCTTGAAC TCTCAACCTC AAGTGATCCA CCCACCTTGG
235051 CCTCCCGAAG TGCTGGGATT ACTGGTGTGA GCCACCGCAC CCAGCCTCTA
235101 CAAGCTTTTA TTCATCATAA CCATACACAT TTATTGTTGC ATACCATAAG
235151 AAGCGTAAAG CTTTAAAAGC CTTTTCTGGA CTAGGCCACC TCTACCCCCT
235201 ACTTTGTATG GTTACATTG GTTTCTATGT GAATCATTTG ATTATTGCAT
235251 TCATGTTTTA TCTCCCAAAT ACTGCTAGCT CCCTTAGGAT GAGGTTATTG
235301 TTTTATATAA AAGATCCCTT TCAAAAAAGT AGTCTCAAAA AAAGATTGTA
235351 ACTCTTGATT TACATAGCAA AGTATTAATT AACAGCATCT TCCAAGATCA
235401 GACGAGATTG AGCGTGTTCG GGGTGGTATG GCAGTAGACA AGTAACAGCA
235451 TCTTAATTAG TTCACGTAAA ACAAATCTCT AGCCACATTC ACTCCAACTT
235501 TCAATATCAC AAAATGTGTG GTATTTCCTA AAAACATAGC TTTCTATGTC
235551 ATCATCAAGT GAAAGTAAAT ACCTCCCCCC TCTATAAAAG AACAAAACCT
235601 ATTCAACTTA AATAATGAAA TATGTTATTG TTAAAAGAAT CCTAGAGTCA
235651 CAGAAACTGG ATACTGAAAA GGAAGTTTGA ACTAAGTCGA TAGCATTGGG
235701 AGTGGGTGTA AAGAGTGGCT AGGAATGACA TCTTCCTTGT TCCCCATACG
235751 CACATATACC ACTCTATTTT GCCAGATACA CCAGGCAGCT TTTTCAAATA
235801 CACACACACA CACCCACCTT TACACCTTAA CCTCTCACTG TGGCATTACT
235851 AGGGTAGTGA GCCTCTGTGA ATGATGAAAG TGAGTAGTGT CTTTGGTGTG
235901 TTGAGCCAAA AAATAGATTG AAATCACTGA CAATACCAAT CCTCATTTGA
235951 CACATATGAC CATTACAGCT TTGAGAAGAT AAAATGACTT GTTCCAAATT
236001 ACTTTTGGCA GAGAAATAA CCTGAATCTC AGGTCAAGTT GTGCTCTATT
236051 TCTTTTGTAC ATTTAAAAGT GTGGGGATCC TCTTGGAATT AGCCTGTGAA
236101 ATGTATTTGC ATTGAAAGGT CAATCTCAGG AATTTCAGAG CAAACGTTTT
236151 GTTTGTATGT ATGGGTGAAA GGACACTTAC AGTTTTAGTA TCAATGCAAT
236201 TTGATATAAA CTCATTAGAA AGTCTAAGTT TACTAAGCTA TGTATTAATT
236251 TAAATAGGTA TAACAATAGT AGAGATGAAT AAAACATCAC TTCAGTATTT
236301 CATCTCTCTT CATCTTGACA AGTGAAGTTC AGGTGTGGTA ATATCTATTA
236351 TGTAGGGGCT CCCCAAAGAA CTTCGGGTCA AGAAATACAG AGTACATAGG
236401 CAGTATATAA ACATACTTAT TATTGCATCT AGTCTATGGA AAAAAAATAC
236451 AGAAAGAACA TTTGAGCACA ATAAATCTCC CCTAAAGAGA GTTATTACTT
236501 GCTGCAACCT GTCTGCAGCA GTCAGAGGAA GGAAGTCAGC AAGAAAGGGA
236551 AAGAATGCCA GGTTGCAAAT ACCAAACGGT CCCATCATTT GCAATTCAAG
236601 ACTAAGAGCA GATTCCTAAA ACTCAAAGTT CAAATTCAGC TGCTAAAATT
236651 ACAATGGTCT CCTAGATTTT AGAATCAATT TTTCTACCAG TAAAGGTGAT
236701 CTTAATCTAA AATATTAATA GCGAAAACCA CAGAGGATAT GTGGTAAAAG
236751 AGACTGCAGA AATTATGTCT AACCTTCTTA TTTTCAGATG AGGTTAACAT
236801 GGATTAGAGA GTGTTTATTT GACTCCTAGT CCAGTGTTCT GTCCATTACA
236851 TTTTGTTAGG AAGAATTATA ATTCTAACAA ATTACTTCCA AATGCCAGGT
236901 AAATCAGGCC CGATTAAAAG TATGTCTTTT ATAGCTGTTA AATGGTTCTG
236951 AAAAACTAAT TCTGAAGGAT TTATAGATAA TTTATTATTT CGTTTTCTTT
237001 TGTAAAAGTT TTGGCAAGTT TTTAATCTGA TATTATGATG CTTTTGGAAG
237051 CTAACAGATG TTGCTCTGAA AGTCATATTT CTCACTTAAT TACAGTTTTA
237101 ATAAAGCAGC CTGGGTAATG TTAGTTGGGG GAGTATTTAG GACACATAGG
237151 AGCCAAGTCA GATAGAAGTC ATAGAAGTGT TGCAGTCAAG AGGCGTTTGA
237201 TTATAAGGTG CATCATTACT TTGTAGACTA CTAAGAAAGA AAATGCAGCC
237251 AATTAAACTA TGATATGCAT TGTCTCTGAT TTCTGCATTT AAAAAATGAA
237301 GAAATATGTT TCCTATAGTC ATTGAAATAT AGTAAGTCGT TGGTTAGGAA
237351 AGGTAAGGAC CTTTCTAAAG GGGAAGAAGC AGAGTAGAGG TGAGAGTGCA
237401 TAGCATGTAG AGCCTGGGTT ACAGGCTCCT CTGGGAAGCA GTGGGATATT
237451 AACTGGAAGG CTGCAGGACC TAGGACCGGG AGGTGCAGGA AGTGAGGACA
237501 GTGCCCAGAC CTAAGCCAAT TGTCCTGAGT CTCCTGGTTC CATTTAGTTA
237551 GTGAACAGGA TAATGTATCA GAATCAATCT TAACAATTTA AGTGGGAGAG
237601 CAGCATTCAA AATCTTGAGA CTCTCCTAGA ATTTAGAAGA GAAATGAAGT
237651 GATTAAATGC CAGCCAAAAG CATTTCAGCT TTATTTTTTA GGCAACAGTG
237701 GGCCTCTGAA AAGCAATGAA ATAAACAAGT TTTAGAATA TGAATCTAAC
237751 ATGGGTGTGA ATAATTATGG TCTGCCAAAA ATCTTGTCTT TTGTTGTTG
237801 TTGTTGTTGT TGTTGTTCAG AGACTCCTTC TAGAGTAACA ATATTGGTGT
237851 GATGACTAGC CTTTTTTCTT TCTATTTTAC CAAGTTGTGC TACTTCTCTG
237901 AGAAAAATCC AAGTTTTACA CTTAATAGTA AAGAAGCCAG TGGTTATTTA
237951 TATGAGATTT TTACCCACCC TAACCTTAGA CTCAGTGCCA CAACACAGCA
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FIGURE 3PPP

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238001 TGCTAAATTA GGTTACATCC TTAAAAAATA ATAATAATAA TTCACTTGGG
238051 GTGGAGTACA GACCTGCCCG TAGCCATCAG TTTTACTGCA GGCAAAATAA
238101 AGACACACCT CTTCCTGAAA ACACAGACAA CACAAATTAC TGTGGCCAGC
238151 TTCTTATATT ATAATTTTTA CATCAGCTCA TCCCTAACTG CTAATCACCT
238201 AATACTACAA TGTAAACACT GCCCCTTCCA AAGACCAGGC TTCCTTTGGT
238251 GGTATTCTGT GATAACCTGT CATTCTGTAG TATCCTTGAC ATGTCTCCCT
238301 CTTACAAGAT TCTCTCATCT CTGCCTGTGT TTTATCACCT CTGTCCTATC
238351 ACTGTGAACA AGAAAATGCC TTCCTATTTG TCCCTTGCTA AATTCCTACT
238401 CATCTTTTAA GAATCAGACC TTCCGACCAC CTCCAGCAGG AGTTTGGGCT
238451 TCTATGCATA GAGCAGTTAC CTCTTTCTTT TTCTTTTGTT TTTTTTAAAT
238501 ACAAGTAGTA TCCCCTTATC TGCAGCGGAT ACATTCCAAG ACCCCCAGTG
238551 GATGTCTGAA ACCATGGGTT ATATTAACTG CTATATATAG GTTTTTTTCT
238601 TATACATACA TACCTATGAT GACATTTAAT TTATAAATTA GGCATGGTTA
238651 GAGATTAACA GCAATAATTA ATAATAAAGT AGAACAATTA TAACAATATG
238701 CTATAATAAA AGTTATGTAA ATGTGTTCTC TGTCTCTCTC AAAATTTCTT
238751 ATTGTACTAT ACTCACCGAT TTTCAGACTG AGGTTGACCT TGGGCAGCTG
238801 AAACTGCGGA AAGAGAAACT GAGTCTAGGA TGACTTTCTA TCTCAATTCT
238851 TGCATTGTAT TGTACACTCC TTAAGGATAA AAGCCATGTT TCTTCAGAAT
238901 CTTATCCCAA AAACTTAGCA GAGTGCCTGG TACATAATCA GTGGTCACTG
238951 AATTTTTTTT GATTGATTAG ATGATGGAGA TTTATGTATG TCTAGCTATA
239001 AAGTTTATGT TTATCATATA CAATATTGGC TTAATAAGAT ATTCTTTGGC
239051 CTCAAAATTA GAACCTAATA GGAAGCTTAA GACATAAAAC TAATTTGATG
239101 ACAAGGAAGC ATGAAATAAG TGCTCTAAAA AGAAACTCAA GAACATTTAG
239151 GAAGGATATA CCGCATCCAG CAGGGGGTGAC TAAGTGATAA TAATTACACT
239201 AAGTCTTGGG GAAGAAAGGA TGCTATTTCA GGAGGTGGAG GAGAGGAATA
239251 GGTAGTTATT CCATATGGAA ATAATACTCT AGGCAAGGGA TACAGACATG
239301 AAAGCAAGGA ATGTATTTGA AGGATGGTAT CTTCTAATTG CATAGTTCAA
239351 AATTCTAAAT AGGAGGTCAG TGGCTAATAG AGCTAGGCAA GGAAGTTGAA
239401 ATCACATTAT GGAAAAGTTT AGAATTTAGT AGGCAGTAGA GAGACGTAAT
239451 TTCTGAATAG AAAAAAATAC TGTCATGAGA TTTTACAAAG ATTAATCCCT
239501 GCTCTGACTG GATTAGAAGA AACAGAAACT GTAGGCCAGG GGTGCAGGGT
239551 TCTTCAGGAA AGAAATATAA GACAAGAAGT TAAACTAAAT AAAAATAAGA
239601 CAAGGATATA TATGAGTGAT ATTGTAATGT ATAAAGAAAA GTGTCTCATT
239651 AGACTTGCAA GCTGGTCCAT TTACATTTGA TCATATTTTT AGAGAAACAT
239701 GAACAAGCCA AGGCAAGTCC AAAGGAGAGT AATCAGGATT TGACGGGGAG
239751 GGAGGGATGA GGGTCTGCAA GTGGTGAGTT CCTGGTTAAT CAGCTGGGGA
239801 AAAAAAAAGA CCAGGAAGGA GGAATGTGAT AGGCAGCTTC AGTTTATTCAA
239851 AGGACTGTCC TCTAGAAGAG ACAACATCCT TATTCTGTTA CTTCAGAGAG
239901 GCAAGAAGAG ACACTATAAA AGTGGATTGT GTCCGGAAGA GTGTGACCAA
239951 GATATGGAAT GATTTGGAAA CTGTGTCACA CAAGAAGAAT AAAAGTATTT
240001 TTTATGATAA AGGAGAATTT TAAGGAACTT GAACACCACC TTCAAATACA
240051 TGCAAGGAAA AATGGGACTT TTGAACATTC AGTTAACTCC ATATAACAGA
240101 ACCATCTAAT TTATAGATAA GCAACTTTTC TCTTTACCAA TTATAGTGGG
240151 CCATCTGTCA AATATTATAG AGTACATGAG TATGTTGGAA GGAAATGTTG
240201 ACAGTGACAA ATGTTTTTAA AAGGGAAAAT TAATAGTGTA CACTACATTT
240251 ATTTTATTAG TATCTCTAAT ATCAGATGGA AAAGAAAGGA GAATCAATGG
240301 GCCCACTGAT GGCTTAGAAC TTATGTCTAT AAAATTTACT CATATTATTG
240351 CATTAATATT TCAGAATTCA TAGTCTCAAA TAAATACAAA ATATAGAGAG
240401 ACATATCAGG AAGTTTAGGT TACCTATGTA TAAATAATTA AATCTCTTTA
240451 TTAAAATGAA TACCAATACC AAATTTTATT TTATAAGGAG TCATCATGGC
240501 ATAGTATGAA GAGCTGTGGG TTGACATCAG GCATACCCAA ATTTGAAACC
240551 AGCTCTGCTA CTTACTCGCT ATTTTAACTT TAGCATGTTA TTTGGCCCCT
240601 CTGGGTCATG GTTTAATCAT CTATAAAACA AGGATATAAT TCCTCTCTCT
240651 AGGGTTATTA TACAGATTAA TAATAATGTT TATGTAGTAT ATAAAAAGAA
240701 CCTCATACAT ATTTGATATT TAAAATGGCA ATTATTAATG TTATTATCTG
240751 AAAAGGTTTT AACAAGCATG CTACATAGAT GCAAATGGTA AAGTGGAAAC
240801 AATGTGGACT TTGGAATCAG ACTGACCTAG CTTTGAAGGC TAGCATTGTC
240851 ACTCACTAGC TGTACATCCA TAGTAACGTG ATTAACCAAG CTGAACTCAG
240901 ATTATCTGTA AAATAAAAAC ACTGCCTGGG CCAGGTGCAG TGGCTCACGC
240951 CTTTAATTCC AGCACTTTGG GAGGCCGAGG CGGGTGGATC ACAAGGTCAG
241001 GAGTTCAAGA CTAGCCTGGC CAACATGGTG AAACCCCGTC TCTACTAAAA
241051 ATACAAAAAA ATTAGCTGGG CATGGTGGCG CGTGCCTGTA ATCCCAACTA
241101 CTCGGGAGGC TGAGGCAGGA GAATTGCTTG AACCGGGACC CAGGAGGCAG
241151 AGGTTGCAGT GAGCTGAGAT TGCACGGCTG CATTCCAGCC TGGGCTACAG
241201 AGTGAGACTC CATCTCAAAA AACAAACAA AAAAAACCCA ACACTGCCTG
241251 TCTACTCCAC AAGTTCAGAG TAGTAAATTA GGTCATGCTT ATTATTTTTG
241301 TTTTAGGAT AGTCTGGTAT GTAGTAAAAC CTCAGTGTTA ATTTCATTTT
241351 ATTTCCCCAA ATATATGAAC AGGCTGTACC CCACTTATGA CCTCTTAACA
241401 TGTATTTTAC AGACTTACGT GGATTGGAAG TCCTGGCTGG GCTCCACAGT
241451 CCCTGAGGGA AGGGAGAGCT TCCCTTTTTT GAACATCCAA ACCCCAGGGA
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FIGURE 3QQQ

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241501 CTGATTCACC TAACTGCTCT CTATTAGGCA ACCCTTGAAA GGAAACTTCT
241551 GAGTTTTAGT AAATGAAGAG AGGACAGAGA CCCATCTCTT GTTTTATGCA
241601 GAAGTAAAGA GTTTAAGTGA CTAATGTCCA GGCACACTTA CTGTAATTAC
241651 TCCTCTCTAA ACCTTATGTA ATACTTCTAA AGCCCTACAT CTTTCAAGAG
241701 GGTGTAGTGA TCAGAGGTAA GGTTTAAAGT CTACCACTTA GACCTGGTTT
241751 TTAACTTCTC ATCAAAATAC CACAGTCTGC ATTGAGTGTT CTGATCAGGC
241801 TTGTTTCCTT ATTATTGAGG TAACTTACTT TGCTCCTTTCT CTGCACATTT
241851 AACCATGGTG TTCTTTTTAT TGAGAAAACC ACCCCTTTTG GGCTCTTATA
241901 TAAATTCAGA GCTATACTTC AAGTCACCCC AAGATCTGCC TTCTTTGTGA
241951 CCTCTAGTGA TCCTTCTAAC CCATAGTGAT TTTTCCCTAC CTTGAGCTTT
242001 CACAGCCCCA GTTCTTCCAT ATTTTGTCAC TTACTTTGTA TTTTGAGTTA
242051 TTTTCTAATT ATTTCATGTG TGTAACTTAC TTTCCCAATA GAAATTTAAG
242101 TCTTTGAAGA GAGGAAACTG TATTATTGGA TATTTTTTGT TTTTGAGACA
242151 GAGTCTCGCC CTGTCACCCA GGCTGGCGTG CAGTGACACG ATCTCGGCTC
242201 ACTACAACCT CCGCCTCTTG GGTTCAAGTG ATTCTCCTGC CTCAGCCTCC
242251 TGAGTAGCTG GGATTCCAGG CACCTGCCAC CACGCCCGGC TAATTTTTTA
242301 TTTTTGTATT TTTAGTAGAG ATGGGGTTTC ACCATGTTGG CCAGGCTTTT
242351 ATATCCCCCA CTATGTCTAG CAAAAAATGT AATTGTATAA TTATCTAATT
242401 AAGATTTATT GAAATGCTTT AAGTTTTTAG ATTCTAATTG AAGTCTCTAT
242451 GCCAATACTT TATTACTTTT TTTGGTTCAT TTGCCTTTGA GAATTTTCTT
242501 AGCATTTTTA ATTTACTTCA ATAATTGAGC GATTATGACA GGAAATCATT
242551 TCATGTAAAA AACAGACCAA GTATTCTGGT TCCTAGCCAG TTTTCTTTCA
242601 TTTAGATATG ATGGTACTAA AGCAAACAAC AAATGACACC TCTACTTAAT
242651 TAGTGATTCC GCTATTCTGA ATATATATTT CATGGCAATA AGAGTTTGTT
242701 GAAGTTTGAA GGCCTTTTTA CAGTCTCTAA AAAGACTTAA AATTAGTGTT
242751 TTCATTCAAG TTATAGATGG TTATAATCTC AGACAGCTGA GACTTTTCAT
242801 TTTCACCTTA AGGTTAATTT TATTTGGAGT GAACTGTAAA AAAAAAATAC
242851 TTTGGCTTTA CAAAAATTCC TTTTAGTGTA AAAATGACTG AAAATATTAT
242901 TATTCCCTTT ATATGAAATG TCCAGCTAAG GAAAATTATA GAGAAAAAAG
242951 GTAGATTATT AGTTGCCTTG GGCTAGAGTT AGGAGATGCC TTGGGGATTA
243001 AGTATAAATG GACATGAGGC AACTTTTGGG TTAGTGAAAA TGTTCTAATA
243051 CTACATTATG GTGGAGGTTG CACAATTTTG TATATTTCCT AAAAAATTATT
243101 GAATCGTATG CTTAAATAAT TCATGAATTT TGTGGTATGT AAATTATGTC
243151 TTAATAAAGT TATTAAAAAT AATTTATGAA ATTACAGGGT TAAATTTTAT
243201 TTTATAATAA ACATAATAAA TTGTCCTTAG TATCCATTTA TGAAAGTAAA
243251 TATGTTGCTT GAAATTATTT CATTAGAAAA ACTATTGCTA CTCTTTAGTT
243301 GTATGGCTAT CTGTAGGTCT TGTATGTGAT TTATTTATTA ATAAATTTAT
243351 ATTGAACTAA GTAGAATTTT TAAAAATATG GCTACTCATA TGTAAAAGTT
243401 ACTGGAATGG TCTTCTTATT TTTCTGACCT TTTTATATCC ATATAAATTC
243451 GGATGATTTC TCATTGATAT TTATGATATT CTGCTCTGAA AATAATATAA
243501 TCAATTACTT GCCTTTTTAA GTCAAGTATT CTACCCTAGT TGACTATAAA
243551 GTGAATTTTT TCAAAGGAAG TCTTAAATTT TTCATATATC TCTTAAGATT
243601 AAATTTGAGA GATGTTCACA TTGGGGGGAA AATCAAATTT AGTAAGCTGT
243651 GAACTTTGGC AATGCAAGAT TGAACTACTG CCTTAAATAT TTGTTAATAT
243701 CTGCTCACTA TTCCATTCAC ATAGCATAAG AATTTCCCCT ATGCCTGATA
243751 TTTTTGGCTT CATATTTTTA ATTTCTATTT CTGGATTTGT TTTCTTATGT
243801 CCAATGGAGC ATTGATGCTG ATTTTTTTAC TTCATAAATA CATAGTATCT
243851 GTGATGGTTA ATACTGAGTG TCAACTTGAT GGCATTGAAT GATGCAAAGT
243901 ATTGACCCTG AGTGTGTCTG TTAAGGTGTT GACAAAGGAG ATTAACATTT
243951 GAGTCACTGG GCTGGAAAAG GCAGACCCAC CCTTAATCTG TGTGGGCACA
244001 ATCTAATCAG CTTCAGACAC AGCCAGGATA TAAAGCAGGA AGAAAAACGT
244051 GAAAAGGTTT GACTGGCTTA GCCTCCCAGC CTACATCTTT CTCTCGTGCT
244101 TTATGCTTCC TGCCCTTCAAA CACTGGACTC CAAGTTCTTA AGCTTTGGAA
244151 CTCGAACTGG CTTCCTTTTG CTCCTCAGAT TATGTGAGTT AATATTACTT
244201 AATAAACTCC CCTTTATGTA TATATCTATC CTGTTAGTTC TGCCCCTCTA
244251 GTATCAATCA AAATTTGAAG TATCAATCAA AATTTGAAGC TACAAGAGAA
244301 TTTAGAAATC ATCCAGTGCA ACTTATTAAA TTATACTTTT GATAGGGGAT
244351 GCTAAATGGT TAGGGAACTT GTTTGGATCT GTGGATTTCG TTGGTTATAT
244401 ACTCAGCTCT TAATTGCCAA GGAATAGTCA TGATGAACCA GCAGACTTTC
244451 CTCACCTAGT TGGGGAGAAA AGAATTAGAT TAATTTTCGG TTCCTTGAAC
244501 TCTAGAATTC TATAAATCTA TCAACTGTAA CTATGTCAAA TATAATGCTA
244551 TGGATGTTAC TCTTCTTAAT TAACTATGTC TACCTTCACT TTCTCATAGT
244601 CCAGCTATCA TTAATCTTGG ATTATAACGT ATTATAAACG TCTGCCCTGGC
244651 TCCCTGAACT TTTTATAGAA AGGAGTATAT ACTATATTAG TAAAAGCACA
244701 CACTCTGGAT TTAAACTCCC TGGGTTTGGG TATTGGTTCT GCCACTCATT
244751 TACACTGTGT CCTTGGACAG GTTATTATCC CCTCAATATG GGGAGAATAA
244801 AATGCTTCAT AAACTGGTGA GGATTAAATG AATTAATACA TGCTTGAAAT
244851 AGTCCACTGA ATATAATAGG AACTCATAAT AAGATGAATA ATTAATATAA
244901 CTCAAACCAA CTGGTTTCAG GGCCTTATAG TATATATAAG TATATCATTA
244951 TATATTTATA TATTATATAT ATTTGATATA TATACTTACA TATAGATATC
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FIGURE 3RRR

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245001 TATATATAAT ATACTTATAT GTAGGTATCT ATATATATAG CTTTTTGGGG
245051 GGTCCTGCTT AGCCTTTCTT TCTCCATAGG TTTAATTGTA GAGCTGTGTT
245101 TCTTTTTTTT GTTTGTTTGT TTGTTTTTGA GACGGAGTCT CGCTCTGTTG
245151 CCCAGGCTGG AGTGCAGTGG CGCGATTTCG GCTCTCTGCA ACCTCCGCCT
245201 CCTGGTTTCA CGCCATTCTC CTTCCTCAGT CTCCCAAGTA GCTGGGAGTA
245251 CAGGCGCCCG CCACCATGCC CAGCTAATTT TTTGTATTTT TAGTAGAGAC
245301 GGGGTTTCAC CATGTTAGCC AGGATGGTCT CGCTCTCCTG ACCTCGTGAT
245351 CCACCCACCT CGGCCTCCCA AAGTGCTGGG ATTACAGGCG TGAGCCACTG
245401 TGCCCGGCCA CAGCTGTGTT TCTTAAACTT AAGTAATGAA TAAATGTATT
245451 GTAAAGAAAA TACCTCAAAC TTCTATGAAT ATACCTACAA ATTCCAGTTG
245501 AAGAACTACA TTAATTAAAT GCTGCCACCT TCCATGGTAG CTTGGTTCCA
245551 ACACAATCAG AAACTCTAAT GCAATTTTTG ATGTTGAAAT CAGGTAACCA
245601 GTACTTTATT GTAAGATCTT CAGCTGATTG AGCATTTTAA TTTTGTTAGG
245651 TCATCATCAA AACAAAAACA GAAATTTTAA GCATATGAAA TATCTTGAGA
245701 CTATTTCAGC AGACCCTAGT TGAGAACTGT TGCTTCAAAA GTAAAAATAA
245751 CACACCTATG CACACCAAAC TGATTGTTTT ATATTCAAAA CTCCAGTATC
245801 ACTATTTGTT TTGATCAGTT GAAATTACTT AAGAGTAATA ACAGGCCTGC
245851 TGCCAGTGGT GGTAGCAACT GAAGCTGATT TTTATCAGAT CAAGATGTAG
245901 CCAGGATAAT GCCAGTTTGG GGCCAGCTCT AGGTAGAATG CTAAAAGTTG
245951 TTGAGACTTC TGTCTTCCTT CTGTTACCCT ACTACATTCT GTCATCCTTC
246001 CTCCTGTCTG TGCCCTTTGT CAGTGCCCTT ACCCCTAACC CCAAAAGCTC
246051 CTCACTGAGA TGCTTGACAT GTTACTTTTC CCAGCATATT TGTGTTTTAA
246101 TAAAGCAAAT CTAAGTCCCT GAAATACCTC AAGACTTGTT AGAATCTCTT
246151 AAAGTGAAAT TTCTAACACT CTGAGTTCAA TAAGAAGAAA TAAAAGTACA
246201 TATATTTTTA TATAATTTTT TATGTTTGCA AACCAAGAAA CATGCCATTT
246251 CTCCTAGTAA AAATGGGGGA AGTGAGGACT ACTTTGCCTT TTCTCCTGGA
246301 CAGAGTAGTC CTCATTTCCC CCTTTTTTCT TTATAAAAAG GAAATGATGA
246351 TAAAAAATTG TTAATTGGAT ACCACTTCAA ATGGGGATTA GTTATGCATA
246401 GAATATTTCA GATATATTAG TATAGAAGTC ATTTAAGATA CAAGCATTTT
246451 ATCCTTTTGT AAGTTCTTTT GTCTAAAGTT TGTTAAGAGG AAAGCCAAAG
246501 ATTATTTTGT TGTATACTAA AAGCTGTAAA TATTATTAAT TTATGTCCTA
246551 TACTTCCCTA TGGAAAAGGG AAACTCAGTA TTACCATGAA CAGGATCCAT
246601 TCTTTATATG AGTAGTTAGA AGCTAATTGT AGGTTATTGA GATTTAATTT
246651 AGTCTCTGGT TATCATGTTT AGAATCTTAT GACATGATTT GTTTTAGAGA
246701 AATAACCTGC TTGCAGTTAA GTACATTCCT TAGATGTCAG CCTGGTTAAC
246751 TAGTGTCTGT CCTGAGTTGG TAAATGTCTA CTTAGATGCC AGTGATGCGA
246801 ATAGAAACTG TCGTGTCAGC TTATAACATT CTCAGAGGGT TGCACTTTCA
246851 ATGCAGGTGG GGGGAAGGAC AAAGTAATAG CTTCTTGTTG GGATTACAGT
246901 AAGTGAGGGC TCAAGTGAAG ATCTCTTAGT TCCTTGAATG ATCCTTTAAA
246951 AGGTAATAGT TTTCCATTTT TTTGCTTTCA GTTCTTGCAT ATGTAATGAA
247001 AATAACGTGA ACTTAGAAAT ATGGGCTTAG TAAATTCTTA GTAAATTATG
247051 TTCACATGCT ATAAGATTTT AATCAATGAG TTTCAAATGG GGAAGGGAAT
247101 TTATATTTAA TACCAACCTA CGGCATGCCT ATATTTTAAA CTATTAATCA
247151 TCCAGTAACC CATAAGCCTA GGAAGGATTA GTCCGAGGTA TTACAGTCTC
247201 AAAGAGATAG AGCCTGGCTA TGCGCATTGT TCTGTCTGAT TATTTTTCAT
247251 TTTCTCTTTT GTTTTGTTTT TTTGTTTCTA GCCTAGGCAG AGTGCAGTGG
247301 CATGATCTCA GCTCACTGCA ACCTCTGCTT CCCGGGCTTC AAGCAGTTCT
247351 CTTGCCTCAG CCTCCCAAGT AGCTGGGATT ACAGGCGTGT GCCACCATGC
247401 CCAGCTAATT TTTTGTATT TTTAATAGAG ACGGGGTTTC ACCATATTGG
247451 TCAGGCTGGT CTTGAACTTC TGACCTCAAA TGATCCGTCC GCCTCTGCCT
247501 CCCAAAGTGC TGGGATTACA GTTGTGAGCC ACCGCGCCCG GCCTGTTCTA
247551 TATTATTTTA AAACCTAAAC CCTTTCCTCT TAAACAAGCA GACATCTGTA
247601 ATATATGTAA CCTAATTGTA AAATAGATAA ACGTAACAGA GAGTATGGTT
247651 GGTATAGTTT CTGGTTAGTG CTAAATGATT GGAACAAAGA AAGGAGAGAT
247701 TACTCTGGAC TGGAATGATC AAGAAAAGCT ATATAAGGAT ACAACTTGAG
247751 GTGGACTGTG AACTCTGTGT AGAAACAGAG TTAGGGTTCG TTTTGGAGGT
247801 TCTAACAATT GTAATATTTT TAGTAGTTAC AAGTAGAGCT CTGTCATTCC
247851 CATCATCTAA TTATAATGTG CAAAGACTGA TTGCATGTAC TCTTTGACTA
247901 CAGTTCTTGG CACTAATAAC CCTAAACAAA GCTGGAGGCG CTAATTACCT
247951 CCTTTTCCTA ATCTGAATTT TGATGTGCTT TTGAACTAGT AAGTCTTCTG
248001 GCATTCTAAG AAGACTTACC CCATCACTGG GGAGACATTT ACTTCAGCAT
248051 TCAGAAAACT AGATTTTTGA ATTAAAGTTT TTTAGAGGAG TTTTTCACGC
248101 AGTAGCACAA ATAAATTAAT CAGTGTCTTT ATTTTTCTAT ACCCCTATCG
248151 TCATTGCCTG CATATAAGAA GGAGATAAGT ATAACAGTTT ACTCATGGGA
248201 TATGTGTACT TTTTGATAGA AAACATGGAG ACTATGAAAA GCATTCATTT
248251 TGTCTCCTGG TTGTCAGATT CTGTCTGTAA CTGACAGTAT GATCCTATAT
248301 CTTTTAAATG TGCTATTACC TGAGTTTCTT TTGGTAACAC TAAAGGTAGA
248351 AAGAAAAAAA GTTAACTTAG GGTAAAGGCT ATTTGTTCCT TTTTCATTAA
248401 AAAACCAGGA AATTCTTTTT TGATTGGTGA CATCGTATTA ATATTTAGTC
248451 TGATTTATTA GCATGAGGCA AACAGCTTTT TTCCCCAGAG TGTTGACTTA
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FIGURE 3SSS

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248501 GAGAATGTGG ACTTATATAA AAATAAAGAT AATTTAGTTT ATGATTTTTC
248551 TTCTTTTTTC AAAATTCAGT TTCTTTCTTA ACTTTTTGTT GGACTTTTTC
248601 TCACTTTTTA AAAAAACCGT TAGTTTTGTG ACTTGGGCAA CCTACTCGGC
248651 CTCAATTTTC TTATCCCTAA AATGGGGTTA TTAACCCACC TATTTAACAG
248701 GGTGGTTGGT AGGATTAAAT GAGATCATAT CTGTGGAATG ATTCAAACAG
248751 TTAGAACGGT ACCTCATAGT TACTTAGTGA GTAAGTATTA GCTATTGTTT
248801 TAAATAAAAC CAGTAGGATT TCAACCACAC TGGCAGGTGT GCCCAGCTCT
248851 GCCCTTTGCT AGCTGTGTGA CCCTAAAAAT GTTACTTAGC CTCTTTGTAT
248901 TTCAGTTTCC ATGTCTGGAA CACGGAAGTA ATACTGATGC CTCCCTTGTA
248951 GATTTTTGTA ACAATTAAAG CAGTTAATGC TTATAAAAGT TCTCAGAACA
249001 CCCTGGCACA TAGTAAGTCT GTTGTTATAA ATATTTTCAA CATTATGACT
249051 GTTTTTGTCA GGATGGGTTT TTTTAAAGCA ATGCATAAAA GTACTATAAA
249101 TATACATTTG TTCTATATAA TGGCCAACTA AGGAAACAAA AGCAGATAAG
249151 GTAAAAGCAC AAGAAATGAG GAAACAGAAA GAAGGCAAAC AGGAATAGGC
249201 AGAAGGATAA GTACTAAAAA ACATACATAC ACTTCCAGGG AGAGAGGACA
249251 GATCAGAAAG TTCTTCCTAT TTCTAAAATT TGTTTATACA CACACACACA
249301 TGAAATGAAA TTCTAGACTA TAGTAAGTGA TCTTTGGGCT ATTTCCTATA
249351 TCATAGCATT TTCACATTGT ATTTTGTTTG CTCAGTTAAT TATCCATCTT
249401 CCCCTGCAAG CTCTTGAGGG TAAGAAACAT TATGTCTTGT TCATCTTTGG
249451 AACCCTACTG TCTAGCATGT AGAAAGCTCT CAATATTTAA ATTGAATTTA
249501 AAAATAGGGT TTTGCAATAC TAACTTGTAT TTTTCCATAA ATGCTTTTCT
249551 AATATTTTCC ATAAATTTTC CACAAATATG CCTTGATATT TTATATATAT
249601 ATAGGATTCC TTGACTGTGT GTGACGTAGT TTAAAATTTT CCTTTTTCTA
249651 AAATTTTTAT TTTCTTTTTA ATTTGGAAGT CTCCATTCTT ATTAAAATTA
249701 AGTGCTTATG CTATTTAATA TAATAATACT TGTTACACCT TTAGGAAAAC
249751 ATAGTTGTTC ACCATGCTTT ATATACCATG TGTGAACTTT TCTATATTTT
249801 TTTCCTTTCA GAGTGTATTG TTCTTTTTGT TTGTAAAGCA GCATACTTGA
249851 TGCTGCAACC AGTGACTTTT TGCCATGCAT TCTTAATACT TCTTGGAATA
249901 TTTGGTTTAG GAAGTGGGGT AATTAGTACA TAAACACTGT GTAGCAGAAC
249951 TACCCTAATT AGTGCCTTTT GGCCTGGCTT CAATGATAAA CAAAGTAAGA
250001 TGTGTGTCAG CATTCATCCT AACACTTTAT AAAAATTGTT ATAGCCCTAT
250051 GGGGCAGCAT ACACAAGATA AGTTAAATAA TGTAGTAGTT GAGACCATGA
250101 GAAGGAGTTT TGTCTGTCTA TTTAATAGTC TTTGCATGAT AAATTAGCTT
250151 CCTAGCTTTG AAGGCTTCAT TAGTCTTAAT TATCCAGAAA GCATAAACTT
250201 AGCCATCAAA GTGTATCCCT AATAACGTTT TACATCTTTA GTGAAATGTT
250251 GCCTCTTTAA TCTGTACCTA AACCAATTTC ACTATCTTCC TATAATCTAT
250301 AGGCGAAAAA GAGCATTAGC TTAGACCATC AAAATGAAAT GATTCAGGAA
250351 CTGGGTTCAG AGGCAAAACA TTTCTCACCC ATTTTATGGG GCCTTTAGGA
250401 AATTTTCTTT CATTTAGTTC ACTGTTACTT AAGTCTGTTA TTTCAGAAGA
250451 CCACTACTTC CTATTTTTGA AGTATAAATA CTTTAAAGAT TTTCCCATTA
250501 AGATGTTGCT TTGTTGGTTT ACAATACTGG GACTACTATA TAGGAACAGA
250551 TCATTTTTTC TAGAGACAAG GAACAGAACT TTCTGCTAGA CAGCTCATTT
250601 CTTAGAGACA CTCTAAGCTT AAAATTTGGG ACTCATTATG AAGTCTAGGT
250651 ACAGTTTCTG AAGAATCTCA TCTGTATTAA GAACTGGTTG TTCAAAACCT
250701 CTTTGTAATT AATTTTCTTA CATTAAATCA CAAGGCCGAA AATGGAAAGT
250751 AAATATGTAA AAATGTAGAA AACTTAAATA GGTTAATAAT TGTCAAAGAT
250801 ATTGAAATGG TAGTCAAAGC CCTCCCCAAA AACTAAACAC AAACACTTGA
250851 ATAAACAGAC ACACTTTCCT AAGCCAAATA GATTTTATAG GACATTGTTA
250901 CCAGATTTTC AGGGGATGTA ACTCCTGTCT CATATGGATG CTTTAAAAAT
250951 AAAAAAAAGC CAGGATACTA TCTGGCTAAT TTTGCAAGGC TTGTACAACC
251001 CTAATTCCAA AAGATAGCAC AAGAACAGAA AAGTATAGGT CCACCACACT
251051 TATCATTACA AGTGTGGGAA TTCTAAATCA AATTTAGTGA ATAAGTCCAA
251101 TGGTTTTTTT TTTTTTTTTT TTTTTTTTT GAGTGGGATT CTCACCCTGT
251151 CACCCAGGCT GGAGTGCAAT GGTGCAATCT CTGCTCACTG CAACCTCTGC
251201 CTCCCAGGTT CAAATGATTC TTCTGCCTCA GCCTCCCGCG TAGCTGGGCT
251251 TACAGGCGCC CACCACCACG CCCAGCTAAT TTTTGTATTT TTAGTAGAGA
251301 CAGGGTTTCA CCATGTTGGC CAGGCTGGTC TCAAACTCCT GACCTCATGA
251351 TCCGCCTGTC TCAGCCTCCC AAAGTGCTGG GATTATAGGC CTGTGCCACT
251401 GCACCCAGCT GGTAATTTTT TAATATAGTA TTTTATCTAA GGAAGTTAAG
251451 GATGGTTTAA CATTTAAAAA ATCAAAGAAA TTCACTATAT TAATGGTGAA
251501 AATATGTAAT AGGCAAAAAA ATTATATAAT TGTCTAAAAG TATGCTTTGA
251551 AAAGCATTTG ATAAAACTTTA ACTATATAAT TAAAAGTTTA GAAAATTAGG
251601 AATAGAAGGA AACTTTACAA ACTAGTTATA TACAAAAGCC TACAACAAAT
251651 ATCAATACCA AAGCTTTAAT CAAACTTTAT ACAAAGCAAG ACAAATACAT
251701 ATTCTTGATA TAGATCTGAC TAGTCCAATA AGAAAAAAAA AGTGAAATAA
251751 AGGTCGACAG AGAAATGGTG GAGCAGAAAA GAGAAACTAA AATAGATAAA
251801 ATAGTCCTTA CTTGGAAGTT ATACATTGTC TATGTGGGCA AATTATTAGA
251851 ACTAGAAGAA GCAAGCTATA TACTGTCAAT AGTTTCAAGC TATATACTTT
251901 CAAGCAAGCT ATATACTTTG AGTATACTTT CAGTAGTTTT GTTTTTCCAG
251951 ATTTAGCAGT GACTACACTT CAAAATTCAC AGCAATTACA AAAAGTATAA
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FIGURE 3TTT

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252001 TGCATTTAAA CATTAACCTA ACAAAAAATT ATAATAGCTT TATGGAACAA
252051 ATTACAGAAC TTTACTAAAG GACGTAAATG AAAACTTGGT TAAATGAAGA
252101 GCTATAACAT GTCTATTGGT GGGGCACATA ACAACATAAA GATACCAATT
252151 CTCCCCAAAT CCAATTCCAA TTAAAATTAT AATAAGACTT TTGGGGAGCC
252201 TCAGTTAACT GACTCTGATG TAGAAAAAGT TTCTTAGATA GCTAAGTCTA
252251 TTTTGAAATG TATCAGGAAG AGGGATGATT TTTTTCAACC ACATTTTAAT
252301 CCATATTTGT AAAAGTAATA TGGAACTGGC ATAGAAACAG ATGATTACAC
252351 TAATGAAACA GAAGAGACAG GTCAAAAACA GAACCATGGT GGGGAAAAGG
252401 AATGTTGCTT AGTAGGTTCT TGAAGACTGG TTTACAAAAT TTTAAAAATA
252451 AAGTTGGGCC CCTACTTCAC ATCACATACC ATGTGAACTC CACAGAGAAC
252501 AAGGACTTAA AAGTGACAGG TATAACCACA GAGCTAATAG AAGAAAATGT
252551 AAGAGAATAT TTTTCTGATC TTTTTTTAAA AAAAAATATA TATATATATA
252601 TTATTTTGAG ACACAGTCTT GCTTTGTCAT CCAGGTTGGA GTGCAGTGGC
252651 ACGATCACGG CTCACTGCAC CCTCAACCTC CTGGGCCCAA GCAATCCTCC
252701 CACCTCATCC CCCTCAGGTA GCTGGGACAA CAGCTGCATG CCACCATGCT
252751 TGGCTGATTT TTGTAGAGAT GGGGTTTCAC CATTTTGCCC AGGCTGGTCT
252801 TGAACTCCTG GGGTCAGGCA AGCCATCATG CCCAGCCTAT TTTCTAATCT
252851 TGATATGAGG AAGAACTTCT TAAACCCTAC TGCAAAAGCA CAAACTATCA
252901 GGGATACATT TTTTTTTGCT TTACATTGTC AAAACTAAAG ATTTTTGTTC
252951 AATGATTAAA GAGTAAAAAA ATTAACAGAA TAGTGACAGA TTGGAAGAAG
253001 ATATCTGCAG TGTCATAAGC AGACGAGATA AATATGTAGA CCATAAGAAA
253051 AATGCTTTCA AATCAAGAAG AAACCAATAT ATACAAAAGC AAAAGTTGTT
253101 ACTAGACAAT TCATGGAAGG GACTCCTTAC TGTCTAAGTG TATAAAGAGA
253151 GATGTTCAAC CTTATGAGGA ATTAGAGAAA TGCTAATTGA AACAACATAC
253201 CACTTCCCAT CTATTTGGGA AGAAGTTTTT GAAAAATCAG TTGGTAAATC
253251 AAAATATAGG TGAGGATTTG GGGTAATGAG GACATTCATG CACTGCTGGT
253301 TGAAATGCAG GCTGACACAG CTGGTCTGAA GAGCAATGTC ACAGTCCTTT
253351 GTAAAAGTAA ATATGTTTAT AACTTGTCAC CCAGAAGTGC CATTTCGTGT
253401 ACATATTCTA TTGAAACACA TTTCAGCTTG ATAATGTTGT GTATCCCAGG
253451 ATGTTACTG TGGAAGTGTT TCTGGTAGTG TGGGGTTGAG GACAACTTAA
253501 GTGTCCATCA CTATGAGAAT GGTCAAGTAA AATGCAACGG ATGCATCCTG
253551 TGGAACGTTC TGTAACAGAG CAATAAAATA AATGTTCAGG CAATGCCCTC
253601 CAGCCAGAGA CTCCTGGGAA CATACACCTG GAGTGGAACA AGTTGGGTTT
253651 ATTCCTCCTT GTATGGAGGG GTAATGCACA CCTTGCAGAA CTGGGAGTGT
253701 CTTAGCAAGA GGATGTTAGG AGGGAATTAT AAGAGCTGAG CTTGTATGAG
253751 ATGATATGGG GGAGAGCTTA AGAAAGTGGG CATTGTACTG GATTGCTTAC
253801 TTTCAGGAGG CAGAGACAAC GCCATGATTG ATTATCTTAA TTAAATCATC
253851 TGTAAGGAGG GAAGAATTGA GTGAAGCTAA TGGTGTAGTT GGTGAAGAAG
253901 CAGTCACTCT TACTAGCTGG AACTGGGAAT ATATGTTTAT TTTGTGGCTT
253951 GGAGAGTGTT CATATTTTGT CCATACCTGA ATATGCAGCG GTCTTGTTTT
254001 TGTCTTGATC TGTTACTGTC ACAGAGTGGC CTCGTCTAAT GTTGCTGTTC
254051 TGTGAAATTG TTCATGTTCA ACAGAATACC AAGTGAGTCT CAGACCAGCT
254101 CATGATAACA TAAAGGCCAT GCTAGTAATA CAATACCAGA GCAGCTCTCA
254151 AATATCCCTT CTGTTTTTCA GTACTACAAC AATACACAAG ATCTTAAAAA
254201 TGTAGTAGTG ATTATTAAAA AGGGCTTACA GCAAGACCTA TAACATAATA
254251 TTATTTATAT AAATTACAGA CATAATAAAT AAAACAGTAG TATGTATTAT
254301 TCAAGGATGA ATATATGTAT ACAAGACCCT ATACCAAATA CAAGGGTTTT
254351 CATCTCTAGT GTGGTCGGAG GGAAGGGGCC AGTAGCCAAT ATTGGGGGTG
254401 AAAGGAAATA TTAAATAAGA GAAGAGCCTT GTATGGACCA ATGTGATAGT
254451 GTGCTATGTA GATTGAAAAC TATGATAATT CATTTTCAGC AGCTAAAGTC
254501 TTAAACAAG TCTACACTTC TGCAGAAAAG TGGTAAGGGA AAGAGTGGGA
254551 GAGGACCTGT AGCCCAGCAT CTTATCTATA TTTACTACTC TTGCCTTGTG
254601 GGAGGTGGGG GAAGGGGGAG GAGGAGGAT ACCTTCTTTA AGCTTTTCCT
254651 AAATGTCTTA CATTTCCCCC AAAAGGAATG AGCTGTTGTA ATGATAGCAT
254701 GTTGATGCTG GTTAAAATAA AACATGCCCA CCAGTGTAAA ATGATAGCAT
254751 TAATATTTCT TGTGGGAACT TGATTTAGCT TTAAATGTAC CCAAAAGCTT
254801 TCGAAGTACA AAAGCCCTCA TATTAGCTCC AGAGAAACCA AGTTTATTAT
254851 ATCTTAAGGA AAAGATTTCT TCATGAACCT TAAATTTAGT GTCTGTGTAA
254901 TCATGTTATT TTGTCATTTA CTTTTTAACT GTAGAAAAGA GCTTGATTTG
254951 ATTTTTTTTT TTTTTTTTTT GAGACGGAGT CTTACTCTGT CACCAGGCTG
255001 GAGTGCAGTG GCACGGTCTC GGCTCACTGC AGCCTCCGCC TCCCAGGTTC
255051 AAGCAATTCT CCTGCCTCAG CCTCCCGGACT AGCTGGGACT ACAGGCGTGC
255101 ACCACCATGC ACAGCTAATT TTTGTATTTT TAGTAGAGAC GGGGTTTCAC
255151 CGTGTTGGCT GGGATGGTCT CAATCTCTTG ACCTTGTGAT CCACCCAAAG
255201 TGCTCTGATT TGGGAGACCT TGGCCTCCCA AAGTGCTGGG ATTACAGGCG
255251 TGAGCCACCG TGCTGGCCAG ACCTTGATTT TTTTAGGAGT AAAGAGACTT
255301 CCTACCTCCA CTCTAGTCCT CTTATCAGTG ATTTCTTTTT AAAAAAGTAA
255351 ATGTCCTTGT GTCTTCACTT CATCTTCCTT AATAAGTATT TAGAGGCAGT
255401 ATTTTCGATA TTAACAGCAT AGATTCTTTA ATTTAGGAAA GAAGAAAACT
255451 TAATTTTGAT TTTTCTAACT TTCTGCTCAG CTCTTCCAAC GTGAATATGT
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FIGURE 3UUU

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255501 AGGTCTCTGT CTCCCGGGGT CCTCATTATG CTTTACTTTG CCCTTTCCAG
255551 TGCCCTTTCC AGTGTTTCAA CCACATTGAG CCGCATGGCC GCATAGGGGA
255601 CTATGAAGAT CAGCTCATGC ATTTGTGAAG CACTGCCTCC TTGTGTCTTA
255651 CTGTTCTCTT TCTTAATTGG CTGTGTTCTG GAATGGTGTC TTGGTGTTAT
255701 GTTTTAAAAC ATTATTTTGC GTAATTTATG TCATTTTATA GTCAGCCAGG
255751 AGAAAGTACA CTACATTAGT TTTATGTCAT CAAATTGTTT AATCATCTCT
255801 ATAATTTACA TGAATCTTCA TTAATAATAC AGGAGGAAAT ACAAGACTCT
255851 TTCTATAAAG CTTTGAAAAT GCTGAGTTTT TTTGAAATAG ATTTAGAGGG
255901 TACAAATGCA CTTGTTACAT GGCTATACTC TAGTGGTAAA GTCTGGGCTT
255951 TTAGTGTAAC CATCACTGGA ATACTGTACC TTGAACCCAT TAGGTAATTT
256001 CTCATCCCTT ACCCGTCTCC TTCTCTGCCA TCTTTCCAAG TCTCTGATGT
256051 CTGTTATTCC ACTCTGTAGC CGACATTAAT TTTTAAGGAT AGTTACTCTT
256101 TATATACTAC TTCTGTAAAT CCATAACAGA TCCCCAGGTT TTTTCCTTGT
256151 CTATTAGGAA CTGTTTAAAA AATTTTGTTT AAGAAACAAA TGTATCTCCA
256201 TTCATATTCT TGAACAACAC TTCTAATTAA TGAATTACTC AGAAATTTTG
256251 CTGATGAAAA CATGTTATGA AATCTGTATA TTGTATAAGA CCTTTGCTTC
256301 CCTGAGAGAA ATCACTCCCA TTGTTTCTTC AGGAACTTAT TCTTTCAGAC
256351 TTGCAGGTTT GAACTCTTGA AAATTTCTAT GTGTTTTCTC TCTGAATATG
256401 TAGAAATTCC ATGTTTGTTC TATGTAGATA GGATTAAGAT GGAACTGTGT
256451 TCTAAAAATT GGGTTGTTTT TTATAAATTG TCCAAATTTA CATTTTCCTA
256501 AAAAATATAT TAAGAATGTT AGCTTGCAAC CTCTTTTAAA TCCATAATAT
256551 GCTGACATAT TATCTTTGCA ATAAAGAATA TTGGAAAAAC AATACTGCTG
256601 CAAGTGTACA AATGGTATTT AATTCCACAT GCTCCTGTGC TTCCATCAGT
256651 CCCTGCACAT AGGCTTCTCT ACTCCTGATT CTAAAGCTCA TTTACACTAA
256701 AAAGGTTATT GAAAGGTACT TGATCTGTTT TTGAGCTTAA GAAATAGAGC
256751 TAATGACAG TGTCACAATT GTACATGCAC ATGCAGCCCA TTTTCCATTC
256801 CTAGATATAT CATTTACGTT TTCTACATCA CCTACACTCT TGGGTCCAGG
256851 GTTATAGAGC ATAGTAAGAA GCCGAAAAGA ATGAATACCT TTTGAAGAAC
256901 TATTTTCAAG CTAGTGTACC TAATTAGATG AGGACCATAG GCAGTTTTTC
256951 CTTCAGATGC CAGCAATCTA GAAGGAGGAG TAGGATGGGA GCAGACAGGT
257001 TGCCTCCCCA CCTGGATAAC TGAGTGTGGT TTTCTGCAGT TCTTAAAATT
257051 GTCAGCTCAC ACATACTACT TACTTACTTA CTTACTTACT TACTTACTTA
257101 CTTATATATG TCTGTAAGTA CGTGACAGAG TCTCACTGTG GCACCCAGGC
257151 TGGAGTGCAG TATCATGATC TTGGCTTACT GTAACCTCTG CCTCCTGGGT
257201 CCAAGTGATT CTTGATTCTC ATGCCTCAGT CTCCCAGGTA GCTGGCAATA
257251 CACGTGTGCA CAGTCACACC TGGCTAATTT ATTTCATTTT ATTTTATTTG
257301 TATTTTAGTA GAGATAGAGT TTCACCATGT TGCCCAGGCT GGTCTGGAAC
257351 TCTTGAGCTC AGGCAGTCTG CCCACCTCAG CCTCCCAAAC TGCTGGGATT
257401 ACAGGCGTGA GCCACTGCCC CCAACCAACT CACACATACT TTAAGTGGGA
257451 CTTTATTTAA TATCTTCATA TCAGCGATAG AACTTGATGT GGTTTTCCAT
257501 ACATGTACAC ACACATAATA AATATCATCC CTTTGACAAT ACTATAAGAA
257551 TTAGTGCCTT TATCATTGGA TATTCTCTTA AAATCATTAA CAGAAAATGT
257601 GTTCTTTCTA GAGGAATTTT ATCAAAAAAT TTATAAGGTG TTTGAACATG
257651 TGATTACAAA GGAAAGGGAA AGCTAATAAA GAACTTAGTA GTATAACCAT
257701 GGCCAGGCAC AGTGACTCCT GCCTGTAATC CCCGCACTTT AGGAGGCTGA
257751 GGCGGGAAGA TCACTTGAGG TAAGGCATTC GAGACCAGCC TGGCCAACCT
257801 GGTGAAATCT CATCTTTACT AAAAATACAA AAATTAGCTG GGCATGGTGG
257851 CAAGTGCCTG TAATCCCAGC TACTCGGCAG AGTGAGGCAC GAGAATCGCT
257901 CGAACCCAGG AGGCAGAGGT CACAGTAAGC CACGATCATG CCACTGCACT
257951 CCAGCCTGGG CGACAGAGTG AGACTCTGTC TCAGAAAAAA CAACAACAAC
258001 AACAAAACTT AGTATGTAAC TATTTATTTA GCTATTTTTC AGGCACATTT
258051 TAGAACAAAA GTGATTTTTT TTCAAACCTC TTTACCCTCT TTGGTGGTAG
258101 GAGACAGATT TCATATTCAT AGAGGTCCAT ATGTGGTACA TATGTTACTT
258151 AAAACTTGTG GTTGACACTG TAGTGGGAAG TAACAGTAGG GTCACTACTG
258201 ATATCTAAAT CCCTGATGTT TCTAGTAGGT ATAAACTAGA GTGTGATTTG
258251 TTTTTGTGAG GAGGGAATTA TATCTCTGTT AGGTAAGCTA AATTCTTATT
258301 TTTGGCATTC ATACTGTAAT TCTCTATCCT GATTCTTGTG TTTTTGCACA
258351 TTGTAGACAA ATATTAAAAA TCCCACTTGA CATGATTCTA AATCAGAAAT
258401 TCCTGAGAAT AGAGATGTTT AAAAGATGAA CTAAAGCTAC CTTAAAACAT
258451 TTCAGTATTT TGAAAGAGAA AAGGATATTG TATTTAATTC CTCCTTTATA
258501 AAGAAGTTTT AACTAAACTT TAAAATTATT TTTTATTATC TGGTGTACCA
258551 GGATTGTGTG GGTAATATTC TTTTTGTTTT TAGGTCTCAT TCAGTATCTC
258601 TGTTTTTTTG ATAAAACAAG GGTCAGCAAA CTTTCTCTGT AAAGGTCTGG
258651 GTAGTAAATA TTTTAGGCTA TGCAGGCCAC ATATAATCTC TGTGGAATCT
258701 CCTCTCTCAC CACCCTCTAT ACTCTCTTCC TCCTCCCCCT CTTTTTTTTT
258751 TTTTTTTTTT TTATTTGAGA CGGAGTCTCA CTCTGTCGCC CAGGCTGGAG
258801 TGCAGTGGCG CGATCTCGGC TCACTGCAAA CTCCGCCTCC CAGGTTCGCG
258851 CCATTCTTCT GCCTCAGCCT CCCAAGTAGG TGGGACTACA GGCACCCGCC
258901 ACCGCGCCTG GCTAATTTTT TGTATTTTTA GTAGAGACGG GGTTTCACTG
258951 TGTTAGCCAG GATGGTCTCG ATCTCCTGAC CTCATGATCC GCCCACCTTG
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FIGURE 3VVV

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259001 GCCTCCCAAA GTGCTGGGAT TACAGGTGTG AGCCCACTGCG CCTGGCCCTC
259051 CTCCTCTATT TTTTTTTTAC AGCCCTTTAA AAATGTAGAA GCTGGCCAAG
259101 CACGGTGATT CACACATGGT AGTTCCGGCA CTTTGGGAGG CAAGGTGGAC
259151 AGATTGCTTG ATCCCAGGAG CTCAAGACCA GCCTCGGCAA CATGGCAAAA
259201 CCCTGTTTCT ACAAAAAAAT ACAAAAATTA GTTGGACATG GTCACATGCA
259251 CCTGTAGTCC CAGCTACTCA GGAGGCTGAG GTGGGTGGAT TGCTTGAGCC
259301 CATGGGATCA AGGCTGAGAT TGTGCCACTG CACTTCATCC TGGGTGGCAG
259351 AGAGTCAGAC CCTGTCTCAA AGAAAATAGT AATAATAAAT AATAATAAAT
259401 TAATAAAAAT GTAGAAATGA TTCCAAACTA AAGTGCTCTA TGAAAATAGG
259451 TTTGGCCCAC TGGCTGTTTT GGGGCCTAGT TCTAGACCAA GTTCTGCCCC
259501 AAACTAATTG TGTGCTTTGG GGTAGTTTGT ATAATTGGTT TTATCTTCTC
259551 TGGCTATTTT ATGAAGATAA TCTAGTAGTC ACTTCATATG TGAAGAATTT
259601 ATGAAATACC TATATATTTG CTTTTGTTTT CTAATTTTAG ATACACACTT
259651 TACTACAGAA AATAATTTAG TCATGTTAAG TTTGATTAAT GCTAAGATTA
259701 GTATCATCTG AGGTCAAGCT ATATGGCATG TGAATTCAGT GTCAGAAAGT
259751 CTGAATTTGG GTCCTTGATT TGCTACTTAC TAGACTCTCT GGTTGCAGGT
259801 AAGCTCTGAA ACTCTGAGTT TCTACTTCCT GTTCATCAAA TTGATGAAAT
259851 GACACTAACT CTGCCTACCT CTTAAAATTC TTTAATTATT TTTTAATTGA
259901 AATGTGAAAC TAAGATACCG TTATAAAGCA CAAAACATTA AATCATCATT
259951 AGGAGTCATT CTTTTAAACT ACATGTTTTC ATAACTGAAT TTCCCCTTAT
260001 AAATTTTATT ATGGAGAAAA AATTTTAATT TAAAAACCAC TAACTAGTAA
260051 GGCCAATAAT TCTTCATAGT ATAGCATCTG GCAAATAGAC ACTCAGTGGC
260101 TAGTTATCTA AGGTAAGTCA GTAGCTTTTC CAACTAGAAC TTATACCTAG
260151 GTTTTAATTA TATTGTTCCT TTCTAACTAA CCCAATGGTA TCAAATGCTC
260201 TCTGGAATAT AGATAATGAA GCTCTTAACA TAGTGCCTCC CACATAGTAG
260251 GCACTCAGAA ATTTGCTGAC TAATTCTAGG ACTTCCATCT GCCTAGGTAT
260301 TAGATGTTTC CATTTACCTC TCAGCTGTAA ATACTGCATT TTTTGTGCTT
260351 AAAGTATAAA ACTGTTGTCT TTCCTTCTTA GTTTGCATTT GCTCCATTCC
260401 CTCAGTAGTT CTCTTTATCT CCTTTGTCAG TGACAGAAGA ATAAAAAGAA
260451 AAATATTCCC TGGGGACTGG ATAGGTTCTG TCCAATTGAA AGATAGTTAA
260501 TTCCCAGTTT ACTTTTTTCT TGACCCTTCT TCCCTCAGTT AGTTATTTCC
260551 AACAAAAGCC ACTTGAAACC AAATTTCATA TAATAAAAGC TGTGCTTTGG
260601 CTAGTGGTAG CTCATCTGTT GGGGAGAAGG AAGCAAAGAA GGAAGCTCCC
260651 TAGAAATCTA AGATGGATTT TTCAGTTTTA TTTGGTTTTG CGTTATACAC
260701 AGTTTAAGGG GGGAAGAAAA CAGAAATAAC TTAGTACAGT ACTTTCCAAA
260751 TCTAGCTGTA CATCAGAATC ACCAGATAAG CTTTGAAAAA CCAAGGATTT
260801 CCTGGCCATG AACCAGACTT ATTAAATCGA AATCTTGGAG GGGGTCAGAG
260851 CTATCAATCT ATAATTTCAG AAGATTCAGC CAGGTTTGAG AACCAGTCAG
260901 TACCATGGTT TTTAGAGTAA GACAGATGTG AGTTTGAAAT CTGGTTCTGT
260951 TACTTACTAC CTGTATGAAT TTCAGCAATT TATTTAACCA CCCCTTCAAAA
261001 AAGTAAAGGT AATACAGGTA GTAAAGCTTC ATTTCATTGA GGTATTTTGA
261051 GATTAAATGA AATAATATAA CATGTAAATG CTTGCTACAT AACAATCACT
261101 CAGTAAATCA TTGTTTATTG TTTTACATGA TTGTATTATC ATTTTCTGAC
261151 AGATGGTATT TCCTTAGGAA AAAAGTTAGA CTAAATTTAA ATTTTAAATA
261201 GAATTCTTTA AAATAGAACG TGAATAAAAG TTTATTTCAT GACAGTCTCA
261251 AATTAGTTAT GCTACATGTG CATTATCAGC ATTTTATTAA TAGAAATATG
261301 CAGGTATAGA GTATTCACTC TGTAGTTTTC TTACAAGACT TGACACTTTT
261351 TAGAGTATTA TGTACATGTT GCACATAGGC CAAGATGATA GTCACATTCA
261401 TTTGGCAAAA ACTATTTAGA TTTCTAATCT AACACAATAA AAGAAAAATG
261451 GAAAAGAAAG AGTATAAAAT TTTTTTATGT TGGCTGCTTG ATTTACATGA
261501 GGCCCAACCT GGTTTTTCTT GTTTGTTAGT TTTGTTTTTT TGAGATAGGG
261551 TCTGGCTCTG TCACACAGGC TGGGATGTGG TGGCATGATC TCAGCTCACT
261601 GCAGCCTCCA CCTCCCAGAC TCAAGCCATC CTCCCACCCC AGCCTCCTGA
261651 ATAGCTGGGA CTACAGACAT TCACCACCAT GCCCAGCTTG CTTATTTATT
261701 CATTCATTCA TTCATTCATT CATTCATTCA TTCATTTATG GTAGAGATGG
261751 GGTCTTGCCA TGTTGCCCAG ACTGGTCTTG AACTCCTGGG CTCAAGTGAT
261801 CCTCCCAACT TGGCTTCCCA AAGTGTGGGG ATTATAGGCG TGAGCCACCA
261851 TACCTGGCCC CGACCTGATT TTTTTTTTAA ACTAAAGCCA TAACTAAGTA
261901 AAGGGAAGCT GGTGTATGTA AAAATATGAG ATATACATGT TGATTTTAGC
261951 GAACATTTAG GTTTCTCTGA AAATCTGATA TCAAATAACT CTACCTGAAA
262001 CAAATGATAC TGGTCTGTTT TGTGTTAAAA TAAGTATCTA TACACACTAC
262051 TATGATTTTG GCATTCTAAG TATTCTGAGA TCTTTTAAAA ATATTTTTA
262101 GACTTTTATG TTTGTACATA TTTTGAGAAA ATAAGTCTGA TTGTGGTTCA
262151 TGTTCCACTC CTCATACTTT TCTAAAGTGC TGTCCGACTT AAGAAGAAAA
262201 ATCTTTTGCC CAATGTTTTG GAATTGTTCT ATGATATTTC TGCCAGTTAT
262251 ATATATAAAG TGCATTCCTT TTAGTAAGGT CCAGCATGAT CATTTCTTTT
262301 TTTTTTTTTT TTTTTTTTT TTGAGACGGA GTCTCGCTCT GTCGCCCAGG
262351 CTGGAGTGCA GTGGCGGGAT CTCGGCTCAC TGCAAGCTCC GCCTCCCGGG
262401 TTCACGCCAT TCTCCTGCCT CAGCCTCCCA AGTAGCTGGG ACTACAGGCG
262451 CCCGCCACTA CGCCCGGCTA ATTTTTTGTA TTTTTAGTAG AGACGGGGTT
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FIGURE 3WWW

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262501 TCACCGTTTT AGCCGGGATG GTCTCGATCT CCTGACCTCG TGATCCGCCC
262551 GCCTAGGCCT CCCAAAGTGC TGGGATTACA GGCGTGAGCC ACCGCGCCCG
262601 GCCCCAGCAT GATCATTTCT AAAGTGAAAA TAAACAGTGA AAAGCCATTA
262651 GTAACTTGCC AATAATGTTG ATTCTTTGGT TAGCGTGATA AATCAAATTT
262701 CCCAGAGGCA GTCACATAAA TTATAGCATT ATGTTGCTAA GATGAATTTG
262751 GCCAAATTAT GCTTCATTTG TAGCAGAGTC AATCTTAAAA CTCAGGTCTC
262801 GTAACTGCCT GCCAAGACTA TCCCCTTTATT TTGTAGGTGA AACCTAGGCA
262851 AAGCCAATTT GGTGCTCACT CACCCCTTCC CAGAAATGAA GTTGGTTGAT
262901 GGCTCTTTTG AAAGTATTAA GTTCAGGTAT CTGAAAAATT GGAGGAATAT
262951 TAGTAATAGT TAACCTTTAG CTACTGAGTT GGTGCTGTAC CTGTTTATCT
263001 CGTTTAATTT TTATTCTATC TCATATGAGG TAGATGTTGT TATGCCCATT
263051 TTACTGTTTT TTATTATCTA TCTAGTATTC AAAGGTTCAT AACATCAAAA
263101 AAGTCATAAT AACTGTTACA ATAGCTACTG TAGATCCTTA TTTTTGACAC
263151 TACCCTTTAC TCTGTTTTAC ATATCATTTT ATTTGTCATG CAACTCTGTG
263201 AGAGTCTAAG TATGAATGTC TACATTTTAA ATATGTACCA CCTTACACTA
263251 AATAGGTTGA AGTAATTTTG CCCAAACTCA CACAGCTAAT AGCTGAAATA
263301 AGTGAAGTTT TAACTCAGGT CTGATTTCAA ATTCATTTC TTTCCTGCTA
263351 CTTTATCTTA CTTCACATAT ATAATTTTAC CTCTTACCAA AATAAGACTA
263401 GTGTTACCTA GGAAGTGGGG TAGGCATGAT AGATATGTTT TTTTCTTATA
263451 CATGAAGGAG TTCTTATGAT TCTCACGCTC TGATTTTCTA AACTAAAAAT
263501 ATGTTCCTGT TCCATTGTTA TCAAAATGTA AAAATCAGTT AAGTACCACA
263551 ATATATGGGG GCTTTAAAAA GTTACTTAGA AAATATGCAT TGTACAGTGA
263601 GCCGAGATCG CGCCACTGCA CTCCAGCCTG AGCAACAGAG CGAGACTCCG
263651 TCTAAAAAAA AAAAGAAAG AAAGAAAATA TGCATTGTAT TGATGTTTCT
263701 AATTATTAGA AATCTCCCAC TATGTTTCAA GGGGACTTTT GTTAGGTCAA
263751 GTTGGAACAT GGATATTTAC GGACTATATC ATGGTGTCAC ATAGGTAATT
263801 ATTTGTTTTC TTTGAAGCTA AACGAAATTA CAACAGTATA TCATTCAAAG
263851 TGCTAAGCTT TGGATCATAA GTAGTTAATC TGATTAAACA GCTTAGTCAT
263901 GCATTCATGA TAAGGATATA ATGACAAAAA TTCTATAGGT TTTAATAATA
263951 ATATCTTAGT CTAGGAATTC TGGCATAAGA ATTATTTTGG AAATAGATCA
264001 TTTATGTGTT TCTGTTTTCG TTTACAACTG AAAATAGTGT AGTAATATTG
264051 ATTCATCTAA TATGAATATT ATGACTACAG AATAATTAGA ATCCCAGCAA
264101 TGGAAAGTTT GAATAAAAAT TATTAAGTGT AAAAGTTTTA CTTCTTAAGA
264151 TAGTGCCTTT TCAGAATGAG GCAATTTGAC ATCATTGTTT TTGCCTAAGA
264201 CAGCTTTTAG AGTTTAGTCT AGAAGTTGTT CAAATAGAAG TTGGTGACAC
264251 GTTGAAGCTG AATGCCTTCT TTTCTTAAAA GGTAGGAAAT GCTCTTCTCA
264301 TTTGTAAGTT TTAGTTTTCT ACAGTCTAAT AATCTTATAA AAGGTACATC
264351 GTTTTAAATT TGAAATGTAG TTGGAATGTC TTATTGAATG TCTTCAGTGA
264401 TGACTTCTGG TTTTCTAAGG TTTCATTTT GAAAAATATG ACTTTTAGGG
264451 TCATAAAAGG AAAAAATAAA AACTGTATAT ACAGTTTGT GATAAAAGAA
264501 CTGAATATAT ATGAGGTTGG TGGTGTGCAG TGTAAAGCTG GCGGGTGGGG
264551 AGGGTTGTTT CTAAGAAGTT ACCTTAATTA AAAAGAGAAT ACCCTATTCA
264601 TTGGCCATTC AAAGTGGGAA TATAGATATG TGGGGTGGAG AGGGGGACAG
264651 CTTTGTACCT GCAAAGCTCT AATGAATGCC ACTACATGGT GGAGCTTGAG
264701 AACTCACTGA GCTACCCAAA AGACTAGTTT GTCATTGCAG TGGCTCCTAG
264751 ACATTGCTTT ACGAGGAAAG AAAAGAGGAA AGAGGATGAG CCTAGATACA
264801 AAGGGAAAGG CTTGGGAAAA AGAAACTACA TCCATGATTT TTATAGTGCC
264851 TCTTTTGTTA CTATTGTTTT GTAAATAAAA TAGGTAGCAA ATCCAGTCAT
264901 TCAAAATTAT AAATAACCAC TAAAGGGAGA AGTCAATGCT CACTTTAGCT
264951 TGGTTTCTGC TGTTGTTCTT TATGGTGTGC ATTTGTGTTT ACGGTACTCT
265001 CCGAAATAGC TCTTCACAGC TACTTTATGT ATAAGCTCTT TGTCACATCT
265051 AATGGAACTT TTTTGAAGTT GTTTGCATCA ACTTGAATCT TTAGTTGTTC
265101 CCTAAGTTCA TTCTGGAATG GCTGAAACCA CTTATAAAGA AGAAAGTATT
265151 AAGGGCATTG AGTTACCCAA CGTATTAGTT GTTATCGCTG AATTCTACTT
265201 TTAACCAGGA ATATACTTTG GTCTTCGTTC AAAAGCACAT CATTTTTTTG
265251 TAATTAAAAT ATATATGGAG ACAATATAGT CTTTAATTTA GTTATTAAGA
265301 ATATTGGTAT TCTGTTTGAA ACTTGGAAAT TCTGACATCA AAATTATATT
265351 TATTACTGAT TAGACATAAT TGTATCATTT GGTTATTTTT ATATCTAAGC
265401 TAAAGTGATC CTCTCTAATC CTTTATACTC TAGGTTTTTT TTGTAAGGAT
265451 ATAATGCCAA AAATTTTGAA AAAAAGAAAA CAGGCACTGT GGCTCACACC
265501 TGTAATCCCT GCACTTTGGG AGGCTGAGGT GGGAGAATCT CTTGAACCAA
265551 GGAGTTCAAG ACCAGCCTGG GCAACATGGC AAAACCCCAT CTGTCCAAAA
265601 AATACAAAAA TTAGCTGGGT ATAGTGGCAC ATGCTTGTAG TCCCAGCTAC
265651 TCTGCAGGCT GAGGCAGGAG GATCACTTGA GCACTGGGGA GGTTGAGGCT
265701 GCAGTGAGCC ATGATCATAC CACTGTACTT TAGCCTAGGT GACAGAGTGA
265751 GGCCCTATCT CAAAAAAAAA AAAAGACTG AACTTTAGTC TTTTAATGTT
265801 ATATTTCTGG ATTTAAATAA AAACAGAAGA AAGATAATGA AGTGTGCTCT
265851 TTCATTCTTA ATCTTTCATT TTTATTCTTA TCATTAAACA TATGGAACAC
265901 ATCTTAGGTA GACCATATAT ATTTTTTATAA TTCTATATTT TGTTAAAGAT
265951 TTATATATTT TAGTATTGCC TCCTTAATAG ATGCATTCCT ACAAAGTTTG
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FIGURE 3XXX

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266001 TTCTGTAAGA ACTTCCTATT TATTGTAGTG ATTTTTTCCC AGTGATTTTC
266051 ATTATAATAT TAAAACTATA AGCCATTTTT CTACTTTTGA CATCTAAATG
266101 TCATAAAACC TTATTTGCTT GTAAATATCT ATATTCTTAA AAGTAGTATA
266151 TCTTCCATAA AATATTAACA GTAACTTGAA ATATTAATAA CATTTCTGCA
266201 GTGTACCCTA AAGAACAACC AGAATCTTTG ACTAGAAGGA GGCTCATTCT
266251 CATTTTTCTT CACAAACTGT TCGTCGATCA TAGAGCAATC ACATAAGCTT
266301 AGTGATTAGA CTACACTTGT TTTTTGCTAG TGTGGAACTA CATTATTGCT
266351 TCAAATTTAT TTCCAAGTTA GCAATATTTC CCCCGTAGCT TTTTTCTTTC
266401 CTTGAGATGT ACTGATCTTT TCCAAAAGTC TTGATTGACA TCACTTCTGT
266451 TTTAAAATGC TGATCATAAA AGATGATTAT TGTTTTAATG TTTGTTTTAT
266501 CTATTATAAA TAGGATTAAT CATAAAAGGA TAGAATCATG AAGGCATCAT
266551 TTGGTAGGTA GACGTCTTAA TAGTATTGGT TTATTGGGCC CGAGAATTCT
266601 ATAAATATGC TAGTCATTGT AGGGTAATGT TGAAGCAGTT GTCAAAGTCA
266651 TTAAACTTAC AAGTTTATCA AGTGAATTTC TTTTGATTAT TTCTAAATGC
266701 ATTTTCTTCT TAGTACCCAA ATTTCTCACA ATTGAAAAGC AACTGGGTGT
266751 TGGGACAGAA ATATAGTATT TGGACATTAG AGGGTCTGGC CTTGACATTT
266801 GATGCTACTA CTTAACTGGC TCTTATCTATA AACTGGTATC CTAAAAGCCT
266851 TAATTTCTTA GTGCCAGTGC TGTCTGTCTA TCTCGCAGGT TCATTATAAG
266901 TATATGAGGT AATATGTGTG CAACAGGAAA GAACTGGCCC AAAATGTTAG
266951 TGTTGCTGGG ATTAAGAAAC CCTGCTCTGC GGCATTCTCT CTTTGATATT
267001 TCCCTGCCTT TTATAGGAAC TCTTTTTCAC CTAAGATTTT CCATTTATGT
267051 TTTGTTCATT CTTTATCATC TGCTCAGAGT TGTAAGTTTA CCACAAGTGG
267101 AGACCTGGGA TGTACACCCA GGGACCAGAG TCACCCCATA ACTCATTTTC
267151 TCATAAATTG TTTCCTAGAG AAGCCTCCTT TTTCAGCTAG AGCCCTTTGG
267201 ATGCCTTTTT TCTTTTCTTT TTTTTAATTT GACTTTTCCA ACGTAGTTGA
267251 AACACAGAAT CTCCGTTAAC CCTCAATGTA CACTGGTCTT AATCAGATCA
267301 AGTTTTTAAC CACAAGGTAA AATGTTTCAC TTTGCTCATG AATCTTAAGA
267351 ATGGGCCATC CAGAGTGGCT GTACCCAGAA CAACAGGTTT ACTGTTGTTT
267401 GTTTCACTCC AGTTCCCTGA CTTTGACTGC TCTCTTTGAG TATTGCCTTA
267451 GCTTTCATTT CTAATCTGTG AAAAGATGCC TTCCATTTGC CTACAGCCAC
267501 TTTTGCATAG ATTAATTGTA CTAGTTTAGT CTGAGTTAAT TTTAATTTAA
267551 TCCATTTGCT AAGGTCATTT GCTTTTTTTT TTTTTTTTTT TTTTTTTTGG
267601 AGACAGGGTC TTGCTGTCAC CCAGGCTGGA GTGCAGTGGC AAGATCATGG
267651 CTCACTGCAG CCCGGGTTCA GGTGATCATC CCACCTCAGC TTCCCAAGTA
267701 GCTGGAACCA CAGGCGTGCA CCACACCTGG CTAATTTATT TTTTTTAAGA
267751 GACAGGGTCT CCCTATGTTG CCCAGGCTGG TCTTGAACTT CTGGAATCAA
267801 TTGATCCTCC CACTGCAGCC TCCCAAAGTG CTGGGATTAC AGGTGTGAGA
267851 CACCACGCCC AGCTTCATTT GAATATTGGA AATACACTGT TCCTAAGTAA
267901 TGGTCCTGGG AACTTTACAA CAATACTGTG ACTATTCTCT TTTCAAAAAT
267951 GTGTATCGGC TTAAATATTT AAGAGATGGG AAAGAGAAGT TCCTGATGAC
268001 ATTGTATGCA CCACGGTAGC AGGTGATGTG GTGACTGTAT CTCTGTTTAG
268051 GTAATAACAC TTTTGGCCTC ATACTAGCGT TTGAATTAGT TCCGGAAACA
268101 TATGTGTCAC ATTTTGTTTC ATCAGCTTTC CATCTCAGCA TTAATGATCA
268151 AGGCAAAAAA TAAAGCAGTG TGCTTTTTGT ATCTAACCTC ATCTGATTTC
268201 ATGGTTGTGG TGAGATTGCA CAGAGATGAA TAGAGGACTT TGAAGTATCA
268251 CTTTTCTAGT TAGATTTTCA TCTTTCCTGT GCATATTTAA TCGAGCCAGA
268301 AGAATGAGAA AGGCCTGAAG GGTACCTCTA TCTTCTCTTC CTACTTCAGT
268351 GAAAGGACTT CCTCTAATAG ATTAATGGAC AGAGGTTAAT AATAAAGGTA
268401 TTCACAGGAA TGAAAGAAGA ATTGACTAAG ACAGAAGGAG ATTAGGTGCT
268451 ACTATGGGGT AGGTTTATCA GAATTATGAC TTCCATAGTG TACTGTATAT
268501 TGAGGCATTT CATTATTCAT ATTTTTTAAC AAAACACTCT ATTTGGTTTT
268551 GTGAGTATTG TGAAGAATGT TATTAAGCCA GTTTGTAGGT AAACACTGCC
268601 TCAGGTTTCA TCAAACTTGG CACTTAAAGT TAGGATTCAA CTCTTTCACT
268651 GCAGTATTAC AGAGGGGCTC CATCTATTTG TTACCTGAAA ATTGCCTGGA
268701 ACAGTGTAGA GATTTTAAAA ACTACTTCCA AGCAAAACTT GCAGTGATGT
268751 CACTCATTAC CCATTGCTCT AAGAAATGCC CTCATCTTGC TGTCTAGGAA
268801 GCACTTTTCA TGGACTGCTA ACTTCTGTTA GAGCTGTATC AATTACAAGC
268851 AGTTTGGCAG GGTAATTCTG ATATGTAAAG CTGGGGAGGA ACATTGTTTG
268901 GTTAATTAAT TCATTTGGTT AATTAAAAAG TGAAATTATA CTTTGATTCA
268951 TATAAGTGAT ACCATGTAGA AGAAATATAA ATCTGTGTTT AGATATTACT
269001 GTCAAATATT ACCAATTCTG AAATATAAGG ATATTCCTAT TCCTTCTCAT
269051 ATTCCTATGA GAAGGAATGT CATAGCTGGT TTAGGTAAAG AAATTGAGCA
269101 TATGCAGCTA AACCCACTCT GGACTCTTTT TTTTTTTTGG CAACTACCTA
269151 GACGCACAGT GGTTCCATAG TGCCTGCTCT ACCATGCTAT AAGCTTAGGG
269201 AAGGCTTTGC TCCAGAAAAG GAACCTGTAA TTAGCTCATG TGAGTGAGTA
269251 GATAGCCACA TCTAATAAAA GGTTAAGTAT TAGGAAATTC TTGTGACTAT
269301 ACATACAAGG TACATTCTCC AGTAATAAAA TTTGTATTTT GATATTTTTA
269351 TCTTCGTATT TCTTTCTCTT CTGTATTCTC ATTCTCTCAT CTATCCATAT
269401 TCTCTCTCCC TGTCTTCATC TTTCTCTCTC TCTTCTATCC TACCCATCAC
269451 CTATTGTATT TAGATAAGGA AAACAGGGTT ATTTTGTGGC CTCCCTATAA
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FIGURE 3YYY

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269501 CTTTAACAAC ACCCTTCTCC ATTTTTTGTT TTCCATGAGT GGTTGTCATT
269551 TTCCTACTAA TTTGTAGTTC TTTATATAAT CTGACTACTA ATCCTTTGTC
269601 AGTTATATGT TCACACATAT CCTCTCCCAG TCCTATTTCT TATCTTTATA
269651 CTTTGTTTAT GTTCCATGTG GCCTTTTATT GTAGGAGTGT TTAACATCAT
269701 CAGATTTATC AGTCTGTTTC CTTATGATTT GTGGGTTTTA TGTCTTCCTA
269751 AAGAAATCCT TCAGTACACA CAAAATCATA TAGTCTTTTC TTCTTTTTTT
269801 TTTTTCTTGA GTCAGAGTCT CAGTCTGTTG CCCAAGCTGG AGTGCAGTGG
269851 TGTGATCTTA GCTCACTGCA ACCTCCGCCT CCTGGACTCA AGCGATTCTC
269901 GTGCCTCAGC TTCCTGAGTA GCTGGGACTA CAGGTACCCA CCACCACACC
269951 CAGCTAATTT TTGTATTTTT GGTAGAGACA GGGTTTCACC ATGTTGGCCA
270001 GGCTGGTGTC TAACTCCTGA GCTTAAGCAA TCTACCTGCC TTGGCCTCCC
270051 AAAGTGCTGG GATTACAGGT GTGAGCCACC ACCGCTGCTA AAATCGTATT
270101 TTATTTTAAG TACTTTAAAG TCTTACCTTT TATATTTAGG TCCTTATCTG
270151 AAGTTTTCGA CCTGACATTC AGTGTACAGT GAACACACTC ATACATCTCC
270201 TCATGCAGAT ATGCACCGTC TAAAGATGGA GGCTACTAGC TACATTTAAC
270251 TGTTTAATTT TCAACTGATT ATAATTAAAT AGAATTTAAA ATTCAGTTCC
270301 TTAGTTTCAC AGTAGCCATA TTTTAAGTGC TCCATAGCCA CGGTAGTGAA
270351 TGACTACTCT ATCGAATAAT GCAGGTAAAG AACATCTCCT TCACTGAAGT
270401 AAGCAGTCTT TTGTGGTCCC CTAGGACCTT TACCAGGACT CTCCTCTTAG
270451 CGGGCTTTGA GTCTAGCTTC TCTCCCCCTG TGGCCCAGAA GTGTATTGAA
270501 AAGTCAGCTG CCTTCCTATT CCTCAATAGC TTCTTCAAGG AATTTTTGCC
270551 CACAGGCAGT ATATTTTTCT TCCCAGATCC AAATCTAGCT TTTATTCTAC
270601 CTTTGATTTG GTCTATCAAG TAAATAAACT GGCTTATTTA AAAATATGTC
270651 ATATTCAGTG TTAACTTTAA ACAAATTATA AAAGAAAGTT TGTTGTATGT
270701 ATCTAAGGTA CTCATGTGAA TAAATGAGAA ATAAGTAGGC ATTAACTTGT
270751 TATCTTCTTGT TTATTTATTT GTATATGTTT TGCTTGCTCG ATCATCAAGT
270801 GGCTTTAATT CTTCTGAGAA TATTAGTAAA CTCCTTGTGT ATCTGAGAGT
270851 TCTTAGAAAC CTGAAGCTTC TAGTACAACT TTGCTGAAAC ATGATTTGTC
270901 AGGAGAATTA TAAACATTGC ACATTAACCC AGTGAGAACA ACCCAACTTT
270951 AAGAATTAAA GCTAAATTGC CTGATAGTGA TTTCAGTAAG GCTGTTGTTT
271001 ATGCACGTAC ACATTAGCAT CCATAGTGCT ACCAACTTTA AAAAATGCTC
271051 CAGATTTGAG TACACTCAGA AAGTTTCTAA GATATTGAAA ACAGTATTCT
271101 TAAAGTTCCT CTGTTTTCTG AACATTCCCT AGTGTACAAG ATTTTATATA
271151 TTTATCCAAA TGAAACGTTG ACCTTCAATG TAATATTGAA TATAAGATTG
271201 CAGATAAACT ATTATTACAG GTTATTCCTA ATAAACTTTT AGTTGCTGAA
271251 TGTTAACAAT AACAATCTTT ACTTTTAAAG CACTATAGAC AAAAGTGTAA
271301 TTTTTATTTA GCACCAATAA ATAAATGATT TAACATTTTA AAGTATTTAA
271351 TAAGACTGAA ACCCACAGCA AAGCTGTTCT CTGGTGTACA ATTACTGGAG
271401 AAGTTCACTA GGTCAGAGTA AAAGCGAAGA AGATGTATTT TAACATCTAA
271451 TATGCAATGT ACTTTTTGTT TCTTAATCAA AATGTGAAAA AGAACATAAA
271501 ATACAGAATT TTATTTTCAT TACAACTTAA ACCAGAGTTT AACATCTATA
271551 AAATATGCTT CAAAAATTAG AAGTTTAAGA ATGTCATCAC TTATATAAGA
271601 CAAAAATAAC ACATGTATAG CCCATCTAAA TCATTCTTGA AAACAGACCA
271651 CACACAGCCT TACATTTTTA AGACAAGAGG GCTTTAAAAT GTAAAAGAGG
271701 AGAAAATGAG ACTTAATGAC ATATTAGAAC TAACATCCCC TGAGTATTGA
271751 TTGAAAGGAA AGGTATTGTG TAATAAGGAA CATGTTCTTC CAATTCTTCC
271801 ATCAGTCTCA GTTTACTTTC CACTGCGTCC TAGGGTGAGA AAGTAATTAA
271851 TTCTCTGTAC TTATTGAATT ATAAGTGTTT ATGAAGCAAC AACTTGAAAT
271901 GACTTCAATC CCTACTTACC GGCCATAGGA AGCAGTAGTA TTGGCAGGGA
271951 GAAAGCAAGT TTGGACATAA GGACTAGACT TCAGGGCTGT CCAATCTTTT
272001 GGTTTCCCTG GGCCATGCTG GAAGAAGAAT GGTCTTGGGC CACACATAAA
272051 AAACAAAATA ACTCTGACGA TAGCTGATGA GCTTTTTAAA AAATTGCAAA
272101 AATCTCAGTG TTTTAAGAAA GCTTGCTAAT TTGTTTTGGG CCCAGGTTCA
272151 AAGCCATGTT GGGCCCAATT CAAAGCCATC CTGAGCCACA TGTTGGATGA
272201 CCTTGGACTA GAGAAAAAAA CTCACTGAAG CCTCCATATT TTTTATAGTA
272251 TCTTTTCTGT GGGATACTTA TTAAATTAAG GTTGAGCCAT TTTTAAAAAA
272301 CGTATTTTCT CTGTGAGGAA AAGCAAATCT GTCTTAATGA GTTACATGAA
272351 ATTATTTGAA GTTATATGAA ATCTAAGGGA TTTGAAAATT TCAAAAAGAT
272401 TTAAAGGAAA TACATCAGAA TTTTGGTTGC ATTTCAGTTA ACAGATTTAT
272451 TTATCTAGAT TTTTGAATAA AGTGTTTTTG AATACTTAAT TCAGAATTGA
272501 TGATCTGCCC ATGACCTTAA TAAAATTTCC TGGTTTCATG GCAATGGCAA
272551 AAACAGTTTC TAGGTACTTG GGTGAGACAC ATACTAGCAG GTGTAGAAGT
272601 AGTAATAAAA ATAATGATTT ATTATCAGAA CAACACTTCT TACACCTATT
272651 CACCAATTTT CTTTCAGGAT ATCCCCATAA TATTATTATT CCTAAAATAGC
272701 AAATAAAGAA AATAAGCCAA ATGCAAGTCA AGTCACTTTA TATCTTCCTC
272751 ATCCTTCCAT TCATTTCCTC ATTCGTTCAT TCATTACCCT CCTTGTTTCT
272801 TAAACATCAA ATGGTGCCTT GAGGCATTAA ACAAGTTGAT AAAATAAAAC
272851 AAAAGCATGA ATACTTGACA TATTTCTCTC ATCACTAAGA CAACATGCCA
272901 GTTAGTCAAT TAAAAAACAA AAATAAATGT ATCAAAACAC GTGGTATTAT
272951 GTGGAGAAGA CTTGATCCCA AATGTTCCCT TTTCTCGAAG TTATTTGCTG
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FIGURE 3ZZZ

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273001 TTGTCCATAC TATCCACGCT ATCCAAGTTT ACCTGGATAA ATAGAATGCA
273051 ATCAGAATTA TGTTGAAGCT AATTTATTGA TAAAATATAT ACCAAAATGT
273101 ATTACAAACA TAAAACTTCA TGAGGTCAGT ATTATTAATT TCAAATTTTG
273151 GGTTTTTTTC TAACATTAAA TTATTTAAAA CTTTTATTTA AAAATGCCAC
273201 ATTCAGGTAA AAGGTAGTAT GTCTTAGATG GGAAAATTTC AGCAGTAGAT
273251 ATTTCAGAAT ACAATGGTTG TAGAAAAAGG GATTATGAGT TTATTTATGT
273301 GCAGATATAC AGTTATGTTT TTAAAATCTA GATTATAAAA CTGATATAAA
273351 ATTCGAGTTT AACAACATAT CTTATTAAGA TAAGAATCTT AATGCACTAT
273401 GAAAAGAAAA ACAAAACAAA GCCCAGATAA CAGGTTTCTT TTGGTAGTGA
273451 TCTACAAGGT ATTAGGGATA TGATTTCCCT CTTGTTCTGC TGTCTCTCTG
273501 TCCCTCAGTG ATTACAGGTA GAGCATCACT TCAATAACTC TTCCAGTCAG
273551 TATTGGTGGT GTCAGCCAGT CTGACCTGAA AAGAAACCAA TACCCCTTCC
273601 CAACCTGGAA ATGCTGGTAA TTTATTTCAC CATCCCCAGC TTCCCTATAT
273651 TTTTCCCCAT CCTACCAGCA AACTTTGTTT ATATAAAATG CAGCCAAATA
273701 CAATTAAGCC AAATACAAGT CAAATCTTCC TCATCCTTCC ATTCATTTCC
273751 TCATTCTTTC ATTTGTTACC ATCCTTGTTT TTTTTTTTTA TTGACACGGA
273801 GTCTCTGTCA CCCAGGCTGG AGTGCAGTGG TGCATTCTCA GCTCACTGCA
273851 AGCTCCGCCT CCCAGGTTCA CGCCATTCTC CTGCCTCAGC CTCCCTAGTA
273901 GCTGGGACTA CAGGCGCCCA CCACCATGCC CAGCTAATTT TTTTTTTTT
273951 TTTTTTTTTT TTAGTAGGGA TGGAGTTTCA CCATGTGAGC CAGGATGGTC
274001 TTGATATCCT GACCTCGGGA TCCGCCCACC TTGGCCTCCC AAAGTGCTGG
274051 GATTACAGGT GTGAGCCACC GCGCCCGGCC ACATCCTTGT TTTTTAAACA
274101 TCAAATGGTG ACTTGAGGAG TTAAACAAGT TAATAAAACA AAAGCATTAA
274151 TACTTGACAT ATTTCTCTTA TCACTAAGTC ATCATGCCAG TTAGTCAAAA
274201 AACAAAAATA AATTCAGAGT ACCTCTTTCA CATGTTAAAC TCATTGGATT
274251 ATTTAAATAC TAAGTGATTT AACATAGTTT TTCTGAGCAT TTCACACACA
274301 AAACATTTTT TTTTTCCACA TGAGACCATT ACTTCTGAAT TTTAAGGAAT
274351 TTCATATGGT GCATGTTTGA GGAATTTCGT ATGGTGCCTG CTGTAATAGG
274401 ATCTTGGCTT ATTTGCATTT GTTGATCAGA TGCAACTAGG TATAGAGATT
274451 GGATGAGGGA AGAGTAAAGT AAAATTACAG AAAACTTTTA AGGCTTCCCA
274501 AGTTTGTTAC CGTTTGATAG TATTAGAAAC AATGTCACTG TAATTTCCAT
274551 TTTCAGGCCT ATGTATAGTG TTAATAAGAT TCTTGCCATG AGTCTCTTTA
274601 CTATTTATAG ATTAGTAGGA GCCATTTTTA TGGCAATCCA AAGCTCTCTG
274651 TTAAACTTAA AACACTGTAT AAAATGAGTT GAAAAGATTA TTAATAATCT
274701 TACACAGAAT GATGTCCTTC AGTTCAAAGA TGTTACCAGT ATTAACAGTG
274751 GCACTTGTTT TAAAAGAGTA AATATCCTAC TCTTGTTTTT CATTAGAACT
274801 CTAAGCAAGA CTACAAACAA AGTTTTCATT GCAATAATAA ATCTTTTTGA
274851 AAGGGTTTTC TGAAACCACT GGATTTACAT ACTTTACATT TGCCCTACCT
274901 AAGTTTACGG TAAGGAGCCA AATTCATTTA GCATAAATAT TACAACCCAT
274951 GAATCCAGAC ATACAGCAAT TTATGGGGGA CATTAGTCTT CTTATTTATAG
275001 AAAACGTTTG TTTAAATAAT GTGAATAACT ACCAATGTTT ATTATAATTT
275051 TATATTTTTT CCTTATTCAT CTCTAATAAC AATTTCCGTT ACTTCTTAAA
275101 TCATCCCCGG GTTAAGAGAA CATAGGCATT TGTAAGTAGC AAGTATTACA
275151 AAAACAAATA AGATTTTTTA CAAAAAGAGA AACATCAAAT TTCCTGTTAG
275201 GCTCACTGAC CATGCTCTCT AGTGTCACTC TAGTTCCTCT TTATAAGCAT
275251 ACGTACTTAG GCTGCGCACA GTGGCTCACG CCTGTAATCC GAGCACTTTG
275301 GGAGGCCGAG ATGGGCAAAT CATGAGGTCA GGAGTTCGAG ACCAGCCTGG
275351 CCAACGTAGT GAAACCCCGT CTCTACTAAA AATACAAAAA ATTAGCCGGG
275401 CACAGTGGCG GCGCCTGTAA TCCCAGCTAC TTGGGAGGCT GAGGCAGGAA
275451 AATGGCTTAA ACCCGGGAGG CGGAGGTTGC AGTGAGCTTA GATCACGCCA
275501 TTGCACTCCA GCCTGGGTGA CGGAGTAAGA CTCCATCTCA AAAAATAAAT
275551 AAATAAATAA ATAAATAAAT AAGCATACAT ACTTTACCTT CATGGATGTT
275601 TTAAGGGGAA GGCAGGTGTT AAGAACTTAT AAAAAATACA AAGTGTTAAC
275651 TTTAGAAATT AAGAGTTTTT GAATGCTGAA CAACACATTC CATTTTAAATA
275701 ACGTTAATAG AAACAGATTT TGAAGCCTCT AACATCATGG TGCATTAAGA
275751 GCATAAGAGA AACGAGCCGG GCGTGATGGC TTACGCTTGT AATCCCAGCA
275801 CTTTGGGAGG CTGAGGTGGG CAGATCATGA GGTCAGGAGT TCAAGACCAG
275851 CCTGGCGAAC ACAGTGAAAT CCCGTATCTG CTAAAATTAC AAAAATTAGC
275901 TGGGCATGGT GGTGGGTGCC TGTAATCCCA GCTACTCAGA AGGCTGAGGC
275951 AGGAGAATCG CTTGAGCCCG GGAGGTGCAG GTTGCAGTGA GCCAAGATTG
276001 TGCCACTGCA CTCCAGCCTA AACGACAGAG CTACACTCCG TCTCAAAAAA
276051 AAAAAAAGAG CAACCAGCTG GAGTCACCGA GCATGTAGCT GCCCAGAGCC
276101 TCCTCCCTAC ATCATGTGTG TAGCTTGTTC CATATTGTGA AGGGTGTGTA
276151 TATGTATATG TGCACACACT GGCACACAAA TTCGTATGCA TTTGTCTTAC
276201 TAAAGTGTTT TTGTCTCCCC TACGGTCTTT AACTGCCTGG TTGAACCCCT
276251 TCTGAGACCA CTACTCTGTT TGAAGGGATC TTGCCAGCCT CTCCCTAGAA
276301 TTGCATCTCT GATTCTGTTT CTTCTCAGAT ACACATTCTT AATTGAAGCT
276351 AGGACTTAAC ACAGTCCTAA AAATTACCAT TAATTAGGAC CATTAAAAGC
276401 CAAAACATCT TCCTGCCTTA GGATTGGGTC CTTTAATTGA AGCTAGGACT
276451 TAACCCTAAA AGTTCCCAAT GATTAGGACC ATTAAAATCC AAAATATCTT
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FIGURE 3AAAA

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276501 CCTGCCCTAG CCTTTCCTTG ACCTGAAATT ACCTTTGCTA AAATTGACCT
276551 GCAATGTATT TCTTAATATA TTTTCTGTTA CTCGTTATAT AATGGAGTAA
276601 GATTGTGGTG GGAAGAAACA GACTCAGGAA TGTGTTGACA TTTGCAAGGT
276651 TTAGAATCTA GATGAGGCAT GAACTTGAAT TCTGGAGCTT CTTGTGGTAG
276701 CCTGATTTAA CATAGTTAAA GGCCAACATA AAATTAATAC TGGCAGACTT
276751 GAGGCACAAT AGTACTGGTG ATGCTGTGAG TGAGTGGTAG AGAAGGAGTG
276801 GTCTCTTGAG CCCATTGATG AAGCCTGGCG GTCTGGGGAA GTGAATCTAA
276851 GTCCAAGTGT ACAGAATTCA TACTTAACCT CTTTGGAAAA GGGCAGACTC
276901 CTCCACATCA GAGCTACTCC TTGACCTCTG TGAGTTCCTG ATATTCTGGG
276951 TCAGTAAATA GATGATATAG ATACAGATAT AGACATAGTC ATAGGCATAG
277001 ACATAGAGCC TGGTTAGGAG TATGAAGTAG ATCCAAATCC TGATTTTTAA
277051 ATATAAAATA ATGTTAATTA CATTATGCAA AATGATTTTT ATGCAGTATA
277101 CATTTGGAAA ATTTAATGAC CCACAGAAAT TGATTTTCAG AATCATTGAT
277151 AACATCATTG TTTTGGATTT ATGAAAGGAA CATAGCAGTA ATGAAAGAAA
277201 CTAAATTATG GAATCTTTTC AATGATATAC TCAGAGGTGT TTTTTTTTTT
277251 TTTTTTTTTT TTTTTGAGAT GGAGCCTTGC TCTGTCGCCC AGGCTGGAGT
277301 GTAATGGCAC GATCTCGGCT AACTGCAACC TCTGTCTCCC GGGTTCAAGC
277351 GATTCTCCCA CCTCAGCCTC CTGAGTAGCT GGGACTACAG GCACGTGCCA
277401 CCACACCTGG CTAATTTTTG TATTTTTAGT AGAGACGGGG TTTCGCCATG
277451 TTGGCCAGGC TGGTCTCCAA CTCCTGACCT CGTGGTCTGC CCGCCTCAGG
277501 CTCCCAAAGT GCTGGGATTA CAGGCATGAG CCACCACACC CGGCCGATAT
277551 ACTCAGAGTT CTAATGTTTT ATCTGTTATC TTTTCATATA AATCCAGAGC
277601 TATATACAGA TTAGTTAATC CCATGGCAGA ATGTATAAAA ATATCTGCTT
277651 TCATGTAGTT TTTATTTTAT GTGGAATATT TACCTAAACC AGGATTTAGT
277701 TTTCATCTTT ACTAAATTTT TCAGATATAC ATATGTATGT ATGTATTTAC
277751 TTAATTATAA AAACATGTTCT AAGGAAGTAA AAGATATCTT TGGATGCCTT
277801 TGCAGAACGT AGAACTACTT TTGTTTAATT CTGTGCCCTT ACATATTTTT
277851 TGTTTTTCTT AATTCATAAT GTGGAACAAG GCCTTCTTTT TTTCTCTGTT
277901 CCAAATTTTG AGGTAAGAGG TATGGCAATT CACATATTAT GATTGTTTTA
277951 GAGATGAACT TAAATTCACA GGGCTTTAAT AAACATCAGC CCTGAATAAA
278001 CTGAATATGT AAAACACTAG CACTGATTAC TCTATTCCAA AAGGAAAGTC
278051 CACATTTTCT ATGTTAATAC ATTTTCTACT GCAATTATTT CATATGGTAC
278101 TCAGAATCAT GCGGGAAGTT GCATTTCTTT TCTCTACTCT TCCTGTATGT
278151 CATCTTGGGA GCCCAAGCGA ATTTTATATT CAAAAGAGCA ATTTATGCTA
278201 CTTATTAATA CATGTTTTTT AACAATCTTT AGGGATAATA AGTTGACATA
278251 GCTGAGAGTA GCTGAGGGAC TGATGGCATA CGCAATCTGT TAAAACATTT
278301 CTTTGAAGAG AAAGCTTGTG CTTGACCATG GTTGCTCGGT GGAGAGTGCT
278351 CCTATGCATA CCACAAGCTT GGCCTTCAGT TTGGAATAGC TCTTTTCATT
278401 GTTTGAGTTT GGTTGCACTG AGAAGGCAAG CTTGTTACTT TACTGTAAAA
278451 AATAAAGTGC TTGTCCAAGC TTGTTGCATG TTGGCAGTTG AGAGGCTGCT
278501 CTTTTGCTGG CTGGAACGTG GACAACTTTT TAACCTCTCC AAGGCAACGT
278551 AGCTGTGACA AGATGTCAGT TACCTTCAAA AAGTAAATAA ATCACAGCCT
278601 TTGAGTTTCA GCATAATAAT AAAGATCCAA TGTCCTCACA TGAGTTTCTC
278651 ATTCCACAAT TTTGAATCAT ATTTTTTTGT GGCAAATGCT CTACCTTCAA
278701 AGTAAAGCGT TTTAAAAATA CAGTTTAGAG AGCCAGGTTC CCTGAGAGGA
278751 AGATTATTAA CTCACAAGGA AAGAACAGTG AATTATCTTT AATAAAATAA
278801 GCTAAGAAAC AAAAACATTA AAGTTTTGTT TGAAATTTAA CCTTCCTTGC
278851 CTATGTTCTT TACCAAATCA GGAAATACTA GTGTAGCTGT AGTGTGAACA
278901 TCCTTGTATT TAAGAGAGTG AATTTAAATG TTTCAAATAC TTTGTAAGAC
278951 AATTAAACAT TTGCTATATG TAAGTTCACC TTAGACTTAC AAATTTCCAG
279001 GAATTATTCT AAATTCATTC TATAGAACAC TACCTGACAA GTTGGAAAAT
279051 ATGGACGTAA GAGTCTTTAT GGCTTAACTG TGTTAACTGG CTGATGTTTA
279101 ACAACAATCT ACGTTTCCCA AGTTTCACTC CAAACCCGTA AGTTGTACTG
279151 TTTCAGAACA TCGACAAAAA CACCAATCAC TAGATGAATA GAGATATTTG
279201 ATTGAAAACA AACTGTTCTA CAAATATATT AAGCTTGAAT TTGCTAATCT
279251 TTATCAAGTA ATTCCCAGTG CTCAAATGTG TTTTGTAGAG TGACATACTT
279301 TGCTGAGCAA AAATGGGGTG TTTGAGTTTT AGTTTCAGGT GTTCTTTTAA
279351 CCTTCAAAAA TAGTGGCCGA GTTAATCTTG GGTAACAAGT TATCTTAAAA
279401 AAATGAAGAA GAGGCCAGGC ACGGTGGCTC ATGCCTATAA TCACAGCACT
279451 CTGGGAGGCC AAGGCGGGCA GATTGCTTGA ATCCAGGAGT TCAATACCAG
279501 CCTGGGCAAC ATAGTGAAAC TTTGTCTTTA CTAAAAATAC AAAAAAATTT
279551 AGCTGGGCAT GGTGGCATAT GCCTGTAATC CCAGCTACTC GAGAGACTGA
279601 GGTGGGAAGA CCATCTGAGC TGGTGAGGTC GAGGCTGCAG TGGGCTGAGA
279651 TGATGCCGCT GCACTCCAGC CTGGGCAACC AGAGTGAGAC CCTGTCTCAA
279701 AAAAAAAAGT GAATAAGAAT ATACAAAACA ATAATAATAA CAGAAACAGT
279751 GCATTAGATG AAAGTTCAAA GTCTTTTGTG GCTGATTGAA AAATGTAATA
279801 GGACTGCTAA TGCCTTTTAT GGAAAGAAGC AATATAAACT AGTAATTTAA
279851 TGCTTTACTC CATTTCTACA TAGCATCTTT TAAAATTTAT TTTTAGTATA
279901 TCTTGTCTTA GTGGTTTATG CTGGGGTTAA TATTCTGGAG ATAATATTAC
279951 ATCAGAATTC TATATCACAC ATTTTTGTTTT TCACTGTTTA AGAAAGGTAA
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FIGURE 3BBBB

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280001 GTAAATAATA CTTCAGAACA GTGATCTCTG AACTTTTTCA TTGCATATAC
280051 CTGAGTACTT TTTAGCATAT ACTACTAATA TGTGCATATT TATTTATTTT
280101 ATTATATGCA GGTTTTATGC AATGTATATA AACATATAAA ACAGGAATTT
280151 AAAAGGATGT GATTTTATGT CTTAAAAATC TATTCTAATA ATTTTATGGC
280201 CAGCAGATGA CTTTTTTCTT TCCTCTTATT TTGTAACTTT TAATTTTGAC
280251 ATATGATACG TACACATAAA GTTGAAAAAA ATAGTACATA GTACCCCATA
280301 AGCCATAGCC CAGCACCCCC AATGGTGATA TCTTATATCT GTAGAACAAT
280351 ATCAAAACCA GGAAATTGTC ATTAGTACAA TATTATTAAT TAGACTACAT
280401 AGCTTATTCA GTTCTTATCA GTTTTTACCT GCACTCTCAT GTTTTTCTGT
280451 GTGTGCAATG CAATTTGACC CCTATTACAG ATTCATATAA TCACTACTAC
280501 AATCAAGGTA GAGCATTATA TATTTGATCA CCACAAGGAA ACTCTCTTGT
280551 GTACTCCTTT ATAGTTGGAT TCTCCCATCT TCTTTTCTCT GTCCTCTGGC
280601 AACCACTAGT CTGTGTCCAT CTCCACAGTT TTGTCATTCT AAAAATGTCA
280651 CAGCTGGGCA CGATGGATTG CATCTGTAGT CCTAGCTACT CGGGAGGCTG
280701 GGGTGGGAGG ATCCCTTGAG CCTAGGGGTT CGAGGCTGCA GTGAGCCGTG
280751 ATCGTACTGC TGCACTCCAA CCTGGATGAC AGAGCGAGAC TCCATCTCTA
280801 AGTAAATACA TAAATCAAAA TGTCACATAA ATACAATCAT GCAATGAGTA
280851 TTAATCTTCC AAGATTGGCT TTTATCACTA AGCACGTTGT TCTTTAGATC
280901 TAGCCAAGCT GTATGTATCA ATAGTTGTAC TTTTTTTTTT TTTTAGAAGG
280951 AATTCTTGCT CTTATCGCCC AGGCTGGAGT GCAGTGGCAT GATCTCAGCT
281001 CACTGCAACC TCCGCTCCCA GGTTCAAGTG ATTCTCCTGC CCCAGCCTCC
281051 TGAGTAGCTG GGATTACAGG TGCGCTCCAC CACGCCCAGC TAATTTTTGT
281101 ATTTATTTAT TTATTTGAGA CGGAATCTTG CTCTGTCACC CAGGCTAGAG
281151 TCCAATGGCG CAGTCTTGGC TCACTGCAAC CTCCGCCTCC TGGGTTCAAG
281201 TGATTCTCCT GCCTCAGCCT CCTGAGTAGC TGGGATTACA GGCACCCACC
281251 ACCGTGTTGG CCAGGCTGGT CTTGAACTCC TGACCTCAGG TGATGCACCT
281301 GCCTCGGCCT CCTAAAGTGC TGGGATTATA AGCGTGAGCC ACTGCGCCCA
281351 GCCAGTTGTA CCTTTTTTAT TCCTGAGTAG TTACACTGCT TTATGGATGT
281401 ACCAGAGTTT AACCATTTAT CTGTCTAAGG ACATTTAGGT TGTTTCCAGT
281451 TTTGGACTAT TATGAATAAA GCTGCTGTGA CCATCCACAT ACAAACTTTT
281501 ATGTGAACAT AAGTTTTCAT TTCTTTAGAA TAAAGAGTAC AATTGTTGAA
281551 TCATATGATA TATTAGTTTC CTGTTGCTGC TATAACAAAT TACCACAGGC
281601 TGGAAGCTTA AACAACACAA ATGTATCACA GTTGTATAGC TTAACAATCC
281651 AACATATGTC TCATCGGGCT AAAATCAAAG TGTTGGCAAG GTTGCATTCC
281701 TTTCTGAAGG CTTTAGAGAA GAATCTATTC CTTTCATAGT TTCTCCTGTT
281751 ATTCTTGGCT TGTAGTCTCT TCCTTCATCT TCAAAGGAGC AATGTTGCAT
281801 CTCTCTGTGC CTTTCCTTCG AAGTCACATC TTCATCTGCT AACTTTCTTC
281851 TGCCTCCCTT TTCCACTTTT AATTCTTGTG TAATGTTACA TAAGGTAGTT
281901 CTGTTTTAAG GTCAACTGAT CAACGACCTG GATTTCATCT ACGACCTTTA
281951 TTTCTCTTTG CTATGTAAAG TAACATATTT TCAGGTTCCA GGGGTTAGAA
282001 TATGAACATC TAGGGGTTGG TAATGTTGTT CTGCCTACTG CATATGATAA
282051 ATTCATGTTT AGTTCTATTT TAGAAACTAC CAAACTATCT TCCAGAGTGG
282101 CATGTGACTT TATATTCCCA CCAGTAATGA ATGAGAAATC TAGTTTCTCT
282151 ACATCCCTGC CAGCATTTCA TATTCTAGTA GGTATGTAGT GATACCTCAT
282201 TGTGATTTTA ATTTGCATTT CTCTAATGGT TAATGATGTT GAACTTTTTT
282251 TATGTGCTTC TTTGCCATAC ATATTTCTTC TTTGGTGAAA TGTCCGCTCA
282301 TGACTTTTGC ACATTTTCCT TTGGATATGT GGTTTATACA AGTCCTCTGA
282351 ATATGTGGTT TGCAAATATT TTCTCTCATT CTGTAGCTTG TTTTTAATTC
282401 TCTTAACAGG GACTTTTGCT TGTGAGAAAC CTTATAAAAT TTCAGTTCTT
282451 GCCTTACATG AGTGATGCCA CATGCTACAG TCATGAATAT CTCATAGGGT
282501 TTTAAAGAAA ACATTCATAT GAGACAGTAG TCATTACTTA AAGCTGTGTT
282551 TGAAGTAAGA CTTTGTGCTG ATTTGGATGT AGTTAGAGTT GGACCCAGTG
282601 ATGTGCTTGA ACTGGCTCTT CCCAGTTTGC AAGAGGCATG TTCTGAAGTC
282651 CAAGAATGTT GCAAGTTAGT TTTTAAACAG TCAGTAGCCA TGTTGGGAGT
282701 ATGTATACAA TGGAAATTGG CAATCACTAT AAATCAGTGC TCCCCTCCTC
282751 ACTGGAGAGT GGGTAGTTAA ATATTTACCA ACTCTCTACC AGTGAGACTG
282801 GCAAAGAATT TGTCAAGAAA TTGAGTATTT TTTTCCTTTA AGTCAGTGCC
282851 CATTGAGATA TATCATAAAT AAATATGTCA GGGTATTCTC TTCACCAGCT
282901 TATAATATTT GCTTTGTATT TTTTGCTATT TTATTTTTAT TTGTGTTTCA
282951 TCAATTTTGT CCTGTTCTAA TTACAATTTT TCAGAATGTC AGGGAGTACA
283001 GTGGTATATA AGTAGTATAG TTTAATGGTG TAGATTAGAC CATACATTTC
283051 AGAATCAGAT AGACTTAGCT TACATCCCAC CTCAATTTAG TAGCTGTATG
283101 AACCTGGCAA TATTGTCTTA TATGTAAAAT TATGACAGTT ATTATACATA
283151 ATGCAGTCAG CCCCCCAAAT TTACAGGTTT CAAATCCGTG GATTCAACGA
283201 ATCAAGGGTC AAAAAAAATT TTAAGAAAAA AAAACAGTAA AAAATAATGC
283251 AACAATCAAA AATTTAAATG TTAACACAAA TGTTGACAAT ACAGTATAGT
283301 AACTATTTAC ATGGCATTTA CATTGTGTTA GCTATTACAA GCAATCTAGA
283351 GATGATTTTA AGTATAGGGA GGATATGCAG AGGTCATACG CAAATAACTA
283401 CACCATTTTA TATAAAAAGG ACTTGAGCAT CTGTGGAATT TGGTATCCTG
283451 GTGGGGGTTA GGGAGGGGAT TGGAACCAAT CCTCTGCAGA TACCAAGACA
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FIGURE 3CCCC

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283501 ACTGTATATA CTTTGTAAAG CTTGTATAAG ATGATACTCA TAAAGCATTT
283551 AACAGATAAT GTCTCAATAA GTGTTTTAAT TGTTATATCA TTACAACTAT
283601 CACCATTATA ATCTCAACAG GGAAAGCCTT TCATAATCAC AGCTGATTAA
283651 AATACCTTTT TAGTTATTCAG GCATCCCCTG CTTAACACTT AATATCCTAG
283701 GAAATCAGAT GTCCTACTTG AAAATTCTAA CCAGGAACCC ATTCCCCCAA
283751 ATCCCCAACC AATTTCCTAA AAGCTAACTA AATGCAGTGA AATATTTTTA
283801 AAGTAATAAA TTATAATTTG GGGATGTAAA ATGCTTAAAC AGTGGTTTCC
283851 TGATGACCTA ACAAATCTAG CCTTAAGGAA CCATTGCTAG GTTGATACAC
283901 TCAGAGGACT TTTCGAAATG TCTACACATG ATCAGACCTT TCTACCAGTT
283951 GTGTTTGGAA TGTAACAGGA GACTTCCCTC CATACATTCT TTTGTTTAAA
284001 ATGTTATGTT AAATTTGAGG AATGTAAGTA TAAATTTTTC CCATATAAAC
284051 ATCAGCAGGA AAATGTTGAA TTTAGAGACA TATATTGCCT GAGTTATGGG
284101 TGTTAAAACC AAGAGGAATT CTATCAGAAA ATGTTAACCA CGGAGACTCT
284151 GTAAGTGTGC CCGATTTTTA TTTCCTGGTT TATTTACTAG ATGAAGTGGA
284201 TATAACTAAC AGGAAAACAC CTGATTAGTG CTGCAGACTC TGTGTTCTTA
284251 TTTAATTCTC ATACAACTTT GGAAGTTAAA AGACCTTAAA TTAATTTTGC
284301 AAAGCTGTAC AACTCCTTCA TTTCTGAGTT GAAATTCAGT TCTACTGCAG
284351 TAGCTAATAG CTGTCCAGGA ACAGCTATTA GAAAACTGGA AAAGCATCAA
284401 GGAAAGCCTA CTGAAGTGTG TTTTCCTTTC GATCCAGTGT CTTCTTTTCT
284451 AGTAAATGTC CTGTCTATCC CCCCTTCCCC TATAGGAAGT TTTCTTCTCT
284501 TTCTTCAGAT GCTATTATAT GAGATACAAT TTATAAATTC TTTTTTTTCT
284551 CATCTGACAG TAGCTTTTTT CTATACAATC AGTTACCTTT CACTGTGTTT
284601 TTCACCCATC CTTTTTAAAA TATTTCTGAT GTCAGGATTT GCTGCAAAAG
284651 AATTAACGAA AAGTATCAAG AAGTTTGCTA GAGCTTTCTT TCTACTCTTG
284701 CTTCTCTCAT GGAATCAAGT GGAAAATTGG GCTTTCTTAT TTTATTTCAT
284751 TCACTGAGTA ACTACTCACA AGAATGTCTA CTTCAGTAAG GTAGTTGAAC
284801 CAAGCATATC CTGACAGCCT CATGGAAGCA ATGAATCTTT TAATTTATAT
284851 TAGAGAGGAA AACGAATTAA TGAGGAAGAA AATCATAAGT AGATGGTTAG
284901 GCATTCTAGA GAATTATATT TAAAATTAGC TACTAGGTCA CTTCTGCATC
284951 AGTTGTTCTA CGTAAAAGTG ATAGGGTATC CCCTCAAATG TTAAGTCACA
285001 TTCTGGCCAT CCTTTTTCAT AGGTTGCACT CAAATTACTT TCAGGTTAGT
285051 TGTGTTTCCT TTTTTTTTTT TTTTTTTTTT TGTGAGACAC GGTCTAGCTC
285101 TGTCGTCTGG GGTGGAGTGT AGTGGCACAA GGCTGGAGTG TAGTGGCGCA
285151 ATCACACGGC ACATTGCCAC CTCTGCCACC TGGACGCAAG CCATCCTCCC
285201 ACTTCAGCCT CCTGGGTAGC TAGGACTACA GGCACACGCC ACCACACCCA
285251 GCTAATTTTT GGTTTAGTTT GTTTTGTTTT GGTAGAAATG AGTTTCGCCA
285301 TGTTACCCAG GGTGGTCTCG AACTCCTGGA CTCAAGTGAT CCTGGCCTCC
285351 CAAAGTGCTG AAATTACAGG TGTGAGCCAC CACGCCTAGC CCAGTTGTGT
285401 TTCTGTACAC CAGAAGTGAA TAATCTGAAA ATGAAATTAA GAAAACAGTT
285451 GCATTTACAC TGTCATCCAG AAGAATAGAA TACATAGCAG TAAATTTACC
285501 CAAGGTGAGA TACTTGTATA CTGAAAACTA CAAAACATTT CAGAAAGAAA
285551 TTAAGAAAAT CTAAATAAAT GGAAAGATAT CCTGTGTTCA TGGATTGAAA
285601 GACTTAATAT TGTTAAGATG TAGGCACTAA CCAAAGTGAT CTATGGGTTC
285651 AGTGCAGTTC CTATCCAAAT TTCAGTGACA TTTTTTGCGG AAGTGAGAAG
285701 GCCAATTCTC AAACCCATAT GGAATGCAAG GGGCCCCAAA TAGCCAAAAC
285751 AATATTGAAA AAGAACACAG CTGAAGGACT TTCACTTTGC AATTTCAAAA
285801 CTTACTACAA AGTTACCATA TTCAAAATAG TGTGCTACTA GCATAAGAAT
285851 AGACTATATG TAGACCAATG GAATTAGAAT TAAGAGTCTG GAACTAAATC
285901 CATGAATACA TGGATTTATG AATTAATCGA ATATCCACAA GGATACTAAG
285951 ACCATTCATT GGGGAAATAA TAGATTCTTC AATTAATGCT GCTGGGACAA
286001 CTGGATTTTC ACATACAAAA ATTGAAGTTG GACCCCTACC TTATACCATA
286051 TATAAAAGTT AACTCCAAAT GGATCAGTGG CCTAAATATA ACAGTTGCCA
286101 TAAAATTCTT AGAGGAAATC ATGGGGTAGG GATCTTAAAG ACTTTGGATT
286151 TGGCCATGGG TTCTTAGATA TGACACCAAA AGCACAAGGA AGGAACACAT
286201 TTAATGGAAC CTCTTGGCTT ATAAACCATA AACCCAGACC ACTATGTCAA
286251 AACTATTATA AAAATCAAAT TAGACCCATG TAAGCAGACT ATATATGCCAC
286301 TGATTTGGAT AGTAATATGA GACCAAATTT TTATTTGTTG ACAATTAACC
286351 TATATACAGT AACTAACCTG TAGAGTCTGC ATCTAAGAAG TTTTGTCAAA
286401 CTTTCCAAAG CTAACCATCA ATGTCGTTAT GGATAGAAGG TACCAAAGTC
286451 TTTAGTGTAA CATATTTAGA CAATAGAGGT GTTAGGAATA GTCTCCAGAT
286501 GGATACTAAA TTGGTTCTTA TCCAACAACA TTAAGAAATA GCCATTCTTC
286551 TGTAGTTCAT TGTGCATGTT ATTCTCCTCT ATAATATAGT AAAATATATA
286601 TTTTGTCTTC CAGCTCTGTT TTCCTGGCAT GCAACTCCTA AAATCCTTAG
286651 AATTTCCAAA GTAGTATCGA TTTCTATGCT GATGAGTTGA CTAGTGGCTT
286701 CAGGGTGGGG TCACAGGAGA GAACAAGGCA TGATTATAGG ACTGGGACTT
286751 GAAGTCCATC CCACAAACTC CAGGGAGGGG AGAGGGGCTA AAGATTGAGT
286801 TGATCACTGA TGACCAATGA TTTAGTCATC TGTATCCTTT GTGATATCTT
286851 TAATAATAAC CTGGTAAATT AAGTGTTTTT GCTGAGTTAT GTGAGCCACT
286901 CTAGAAATTA ATTGAACCCA AGCAGGGGTC ATGGGAACCC TGATTTATAG
286951 CTCATCAGTC AGAAACATAG GTAAAACAAC CTGGGGCTTG TGGTTGTTGC
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FIGURE 3DDDD

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287001 TGTCGGGTGT CAGTCTCCTG GGGTCCTGAC ACTGTCTCTA GGTAGACAGT
287051 TTCAGAACTG AATTGGAGGA CACCTATCAG GTGTATGTTG CAGAAATGAA
287101 TGATTACTTG GTAGTAGGGA GAAATCCCCC ATATATTTAG GGTTATAAAG
287151 TCTTCTGTAT TGATTGCTGT GGTATGAGAG CAGAGGGAAA AAAATTTTTT
287201 TTTCAACTCA TATCCTCCCA CTCCCCATAG CTGCTCTTGC CTTTATCAGT
287251 GTTGTGTGTG AAAGTCTGTA TAAGGATAGA AAGGGAGATT GAGGTGGCCC
287301 TATGAACTGC GTAGCCCTGG ATTCCATTCC ATTGAGTTCA GCCAACGGGA
287351 TGCATCAAGA ATTTTTTTTT TTTTTTTTTT TTTTTGAGAT AGGTTTCACT
287401 GTCACCCAGG CTGGAGTGCA GTGGTGCAAT CATAGCTCGC TGCAGCCTTA
287451 AATTCCTGGG CTTAAGCGAT CTTCCACCTC AGCTTCCTGA GTAGCTGGGA
287501 CTACCAGCAT GTGCCCCTGC ACCTGGCTAT CAACAGGAAC TTAGAAGGTG
287551 GAAGGAGAAA GAGGTCAGGA TATGTATTCC CGCTCCCTCC CTGCCCTAGA
287601 ACCTCAATTC TAGTATTGGC TGTATCCCTT TATAACTGTA TCTCTTGTCC
287651 TTTGAGCCTT CACCCCACTT CTTCAACAGC TTCAGCTTTG GGTTTTGATA
287701 ATACTGTCTC CTCCCACTTA CTCCTTCCAG GTCCTAAGCA GTAATAGCTT
287751 CCTGCAGTCC CTAGACTTTG GTTCCGTCAG CATGCCTTAA CCTTTCCAG
287801 ACTTTGGGAA ATATTCCCTA AGTTGATTTG TCTTCAGAGT CTCTAACAGG
287851 ACCCTGACTA ATTTTCTATT TTATTTTTAC AAGTAAAAAT TGTATATATT
287901 TATGGTGTGT ATGATGTTTT GATATATATA CACATTTAGA ATGGCTAAAT
287951 CAAGCTACCT AATATATGTT TTACCTCACA TACTTATTTT GGAAGATGAG
288001 AACATTTAAA ATCTACTGCC TTAGCAATTT TCAAATACAT GATATATTGT
288051 TAACTGTAGT CATCATGACA TACAATAGGT TTCTTGAACT TATTGCTCCT
288101 GTCTAACTGA AATTTTGTGC CCTTTGGCCA GCACTACCTA ATCCCTCTGC
288151 TAACCACCAT TTACTCTCTC TGAGTTCAAC TTTTTTACAC TCCACATATA
288201 AGTGAGATCA TGGGATATTT GAATTTCTGT GCCTGGTTTA TTTCACTTTA
288251 TGTGATGTCC TCCAGGGGTCA TCCATGTTGT CAAAACATAA CAGACTTTCC
288301 TTCTTTTTTT AGGCTGAATA GTATTCCATT TTGTTGCACA TTTTCTTTAT
288351 CCATTCATTT GTTGATGGAC GCTTAGGTTG ATTTCATATC TTGGCTATTG
288401 TGAATAGTGC TACAATAAAC ATGGGAGTAC AGATAGCTCT TTGATATACT
288451 GATTTCTTTT CTTTTCTTTT AGATATATAC CCAGCAGTGG GTTTGCTAGA
288501 CTATATAATA GTTATATTTT TTATTTTTTG AGGACCCTCT GTGCTGTTTT
288551 CTGTAATTGC TTATAGAAAT TGACTAGTTG ACATTCCCAT GTAGAAAAAG
288601 GGATCCCTTT TTTCTACATC CTTGCCAACC CTAATTTTTT TATCTTCCAA
288651 CTTAATTTTT TTTTCCTGTT GGCTAATACA ACTTTGGCCT GTCAAATCAT
288701 GGTAGACATT CTGTGAATAG TATCACTGTA GTAGAAGCCA GAATGTTTTA
288751 TAGAGGAAAT GTAGAACAGA AATTAAATCT GGGGAGTCAG ATAAATAGAG
288801 GTAGATTAAA AGGATCTTTC ATATTAGTGT TATTGCATTT TTCTCAGTGT
288851 CTCCAAAGAG TTTGAAATGT TGTATACGTT ATTTAGAATT GTACTCAGAA
288901 GATAAAGTAT TTTACCAACA ACTGAGCTTA ATTTTTATAG TTTATTAGTA
288951 TCTTCATTTC CTAGTCTCCG AAGACCATCT TCTCATAAAA GTGCTTATAT
289001 ATGTAAAAGT TTGTTTGCAT TTTCAACCTG TATCCCTTGA TACTCATCCA
289051 GAAACCTAGG GTGAGAATAC CTGTGTTAAC TGTTTTTAAA AATTTCCATG
289101 ACATGTTTGG TCAGGGGAGA AGAATGTTCT GTGACAAGTG CCAGTTTTAC
289151 TGGTGAGGTA GAAAAGGCCT TAGAAGGTGC TAGTAAGACA GAAAAAGAAC
289201 TGTAGGAAGA AATCAGTATC GGAGAGCACA GAGATCCTCA ATCCTTGGAT
289251 ATATACCACC CAGTGAAGCA GATCAGAAAG ACCTATATTT TATAGTGCTG
289301 TCACAACATA CAAGCTGGAA AGCACCCTAT TATATGTGAA TTGGCCACAG
289351 CTAAGAGTAA ATGATTGAAA TCTTTTAAAA CTTTTAGTTA CATTGTTTAC
289401 AATTTGGGGT AAATGTCTAG ATAAGTCATT TAAATTTTTT CACCTAAACT
289451 CATAATTTTG CTTCTAGAGT CCTAACGAGT AGTGAAATGG AGATTAATCT
289501 TGAAAATCCC ATTAGCTTAC ATCACTAGAA GCACTTTGTC CACCTGCTTC
289551 CTGGACCTAG AAGAGTAAAC CTGTGGTTGT CCAGTTCTAG GTGGTAGCTT
289601 TAAGATACTG CAGGCGAAGA CATATATTTG TGACCAGCAG ATTACAAACA
289651 AGCAAGAAAG TGTAATCCCA TTCTGCTATA TTTTTAATGG ACAGGATTGG
289701 ATATATCTTT CTAATCATAG AAGACGTCTG GAAGAAAATG GTTTCTGCAG
289751 AGGGAAATTA ATGTATTGAA GGTGGGAACA AGATTTTGGT TTTTACATAC
289801 ACATTTCTGT ACTGTTTGTT GTTGCTATTG TTTTACCATG AGTTTGTATT
289851 ACTCAATAAA ATAACAAAAA TGGTGAGATC AGGAAGGACA CCTTTTCTTG
289901 CTATGTAGAT TATTTTTGCC TCATCCTTGG TTCCTTAGTT TCCATTTCCT
289951 TACAGTATTT TCCAGTTACT CGTTTTTAAC AATCTGTGGG GTCTGTCCAT
290001 AGTTTTTCCT TTTTCTTGTC CTGATTAATA GCCTCCCAAT TTATTTTCTC
290051 ATCGCCTGCA TACAACTCAG ACCCTCCTAT TGAACGTGAA ACCTTCTACC
290101 TATTCACCCC TCTACACAGA TCACGCATCA TTTTCTTGTC TTAACTGTTT
290151 CAGTTGTTCC GTGATTTTTG TTCTATGCCT TTGAGGATTT ATTGTTTACA
290201 AAGAACTAAA GTATTTTTAG TTTATTTGTT TAAGCTACCC TCAAAAGATA
290251 ATAATAGGCA AAAGAAACAC CGTAAGAACA TACCAAAATT CCACTGAAAG
290301 CTAACTAGGG AATGTTGGCT TCCAATCTTA GCTAGAAAAT GATCAAAATT
290351 CGATACTGGT TGATTTTTTA AAATATGAAT TGTGAGTCAT ATTCAAAAG
290401 AGCCACAGCT TGCAGTTGTA GTCCCAAACT AAAGTAGGTA TAGATAGATA
290451 GTTCCAAGAG ATCATCTGTA TTACAGGGAT CAGGCAAAAT TGCTTTCACC
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FIGURE 3EEEE

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290501 TGGAGAGCCG TTTGCATGGA AATACAGCAT GGTTAGAGGT AGCCCTCTGG
290551 ATCCGACTGC TTGCTTCAAA TCAAACTGCA CTTTCACTGT GCTTAACCTC
290601 AGTCAAGTTA CTTGCTTCTT TTGGCTTTAA TGTTATCTTG CATAAAAATC
290651 AGTATATTTA AAATACCTCA CTAGTTTGTT ACATGATTAA ATGAGACAAT
290701 GTATATAAAA TAACACAGAG CCTGTTATAT GGTTACTTTT AGCCATTAAC
290751 AGCATAATCA TAAAATATCA CATTATAAAG TTGCAAGAGA TTCTTTCCAT
290801 ACCTCCTCAA AAGAGTTTTT ACTTGGACCT TCCAGCATTT GAAGCTATGT
290851 CACCAGTGGC AGTCTTTTTG ACTTCATATA CCTTCCAAAT AAGTAGTTTT
290901 ATTTTCAAAA AGCTGAATGC TATAGTAATG GTGTTATCA AATATGTTAC
290951 CAATATTTGA AGTTTTGATA CCATTTCTTA TATGCAGATT GATCTTCGTG
291001 TACAAGCTAA AGCTAAACCG TGCTAACAAT ATTTAATGGG TATACATCCT
291051 GTATAGAATA AAATATTTCC TGAATTTCAT TTTCCTTTTC CAGAATTTTA
291101 TACATACATG CTCATGGAAA CACACACAAG CACACCTCTC TGTGCCCTAA
291151 CAACAACAAA AATCTTATAA GTTTAGACTT CTTTTGATTA AAATCATATG
291201 GTTAGTCCCA AAACTACAAA TATATTTTTA ATTTAAGTAA AAGAGGACAC
291251 TCCAACAAAA CTAGTATTCA CTGCACCTCT GAGCATAGCA CACATCCTTT
291301 CTGAGTTCAG GTGGGTACAA TTAGCTGCTA GTAAAAATGA ACCATTAGTG
291351 AAGTCAGTGA ATATTAAATG TGGGACTTAC AAGGCTAGGA ATGACAAATA
291401 ATGGGAAAAA ACATTTTGTA CTCTAATTTT AAAAAGAACT ATTTAGGAGA
291451 CAGCTGTAGC TGGGGTAGCT TTCTCTTGTA GAGGCATTTG CTCCATTGTT
291501 GAGGGTTGGT ACTGTCTAAA GTTAAACCAT TTCAGTGATG CCTAGCATGG
291551 AACACTTGAC AACCAACCTT CCAGGTAGGA AATGAGACGT CCTTGCCAGC
291601 AAGTCCATAT AATACTACAA TTTTTATGAC TAGACTATTT TTGCAGAAGT
291651 ACTTATTGCT TAATTGACAT TAAACTTAAG TAAGTCTATC TCTTTCTCTT
291701 AAAAATAATC TTAATAACAA ATAGAAATCT TTAGTATCCC AGTCTAACTC
291751 AGTTTAGTCC TATTTAGTTT GGGATAAGAA AGTAATGTAT CAGTTATTTT
291801 GGCAAATTAT TTATAGAAGC TATGTGGAAT AAGCTGTAT TATTTAGATT
291851 TTATATAATT TGGTAATTAG CATACAATAG CTTACATGAA ATAAATTCTT
291901 GAAATAGTAG AAATTATGAG TAATTCCACT GGGCTTACTC TTGTCTTAGA
291951 TTACATAGAT ATAAGTATTC TTGGGCATTT TGATGCTAGA CCAATGATTT
292001 ATAATATCAA ATACATTTAT TTTTAATACC AACAAAGGTC ACTGGGGTTC
292051 AAAGAAGTAA GATTAAGCAG TCAAGGAAAC GTGTGGGACA ATAGTAACAC
292101 AAATACTACT TTTAATGCCC TCAGTTGCTT TACTGTTAGT AGAAAGTTTA
292151 GTAAATAAAA CAGATGACAG ATCTCATATC AGAGTAAACC TAGCAATAGG
292201 GCATTAACAT TGATCTTATT AAAATACAGT TGACCCTTTG AACACCACAG
292251 GTTTGAATTG CACAGGTTCA CTTATATGTG GATTTTTTTC AATAAATATA
292301 TTGGAAAAAT TTTTGGACAT TTTTGATAAT GAGGAAAAAC CATGTGGCCT
292351 AGAAATATAA AAAAAATTAA GAAAAAATGT CATGAATGTA TTAAATATGT
292401 ATATACTAGT CTATTTTACC ATTTACTAAC ATGAAATATA CACAAATCTA
292451 TTATAAAAAG TTAAAATTAT CAAAACCTAC ACACACAAAC ACTACTCAGC
292501 CTTAAGACGA TAAGGATGAA GACATGAAGA CCTTTATGAT CTGCTTCCAC
292551 TTAATGAATA GTAAATATAT TTTATCTTCT TTATGATTTT ATTAACCTTT
292601 TTTCTCTAGC TCACTTTATT ATAAGAATAC AGTATATAAT ACATATAAAA
292651 TACAAAATAT GTGTCAGGCT ATGTTATTGG TAAGGCTTCC AGTCAATAAT
292701 AGGCTATTAG TAGTTAAAATT TTTTGGAGAG TCTCAGTTA AAGGAGAATT
292751 TTTGATGTGT GTAGGGTTTG GCACCTCTAG CCCCCATGCT TTTTGTGCAT
292801 CAACTGTAAT TCATTTTGCC TGCATGATAA CTGCTTATTT TTTAAGATAT
292851 ATTTTGAAGA CTCAAAATAA TATCATGTTG ATATAGAAAC ATTCCATTTC
292901 CATTTGTAAT TAAAATTGAA AAAATTTTAA TTCTTCCATT TACCTTGACT
292951 ATCACAAATA CATGTAATGA TTTTTTAAAC CCAGTCTAGA GCTGAACCAG
293001 TTAAGACAAA ATTGACATAA CAGATTTGCC CACTTTTCCA TTAAATATTT
293051 TTATCCCTAA TCAGGCCCTC AAGTTACCTG CTAATGCTAA TTGTATGACT
293101 TGGGGTAATA TGGATCAATT ATTGTATTTT TTAAAGGCTA GAAATTATTG
293151 GATAAATTGT GGAAATTTTA ATTATTTCTA GACCTCATTT GTAGAATAAA
293201 GTTTAATCAG AATGTTTGAG CTAAAGGAAA TCCTAGATGT CATGGTCCAG
293251 TCCCTCTCCT TTTACAGATA AGAAAACGTG AAGCTCTAGA AATTAATATC
293301 TTTGCCATTA TCATCAGTAT ATGAGAACAG ACCTGCAAAA GTGAACTCAT
293351 TTATTTCAAT AGCCCATCCT TTTTTCCCCC TTATGCCACA ATGCCTCTTA
293401 ACTTTTAATT TCCTACCAGT TCACTCTTCT TCCCAAAGTG CTCCTTCTGT
293451 TAATTACTAT TTTTCCTACC TTCCCTCCAC ACCAACTAAA GAAAAATTCC
293501 TAGTGCCTAT TTCCTCTCAG CCTCTAGGGA TATTTATTGC CTGAATGAAT
293551 CTCTTCAGTA GCATTTTCAA AAGTGTGACA AGATGAAAAG GACATTCTAA
293601 TGTCAGAGGA ACTCTTTAGG GCTTTACTAA TACGAAAGGT ATTCTGTCTA
293651 TGAATCTGCC CTAGTTACAG TCTTTCTTCT TCTCTCTTGT TTTTTACTTC
293701 ACTCTTGAAC TACATGGGTT CTCTAAAAAC TTAGGTTATT TTTGGTTTTA
293751 ACTATATGAT CTCCTAGTAG GGCAAGTATA AAAGGACAAG GTATACATAT
293801 GTTTAAAGTC TTGTCCTTTT ATGCCTGCCT TACCTACTGA ATCTAAAATT
293851 GGTAATTAAG TATTATAGAC ATTGAGGTCC CAGAATTTTA TATCTCAAGA
293901 CAAAAAAGA ATATAGGCAG CACAATGTCA TGAGATTTGA CCTATGACAG
293951 GTTTTTCTTG AATGTTTCTA GGAGGTATTC CACTGGCTTT TTTTCAATAT
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FIGURE 3FFFF

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294001 CAGACATCAC CATATTATGC TTTTTTAAAC GTATGTAGAT AAAAGTGAAT
294051 GTGGAACATA AATTTGCACA GTCTTCCTGG AAGGTGGTTA ATATATAATA
294101 TAAAAACTTC AAGTACTCAC CTTTTGTCCT ATAAATTCTA TTTTTAAAAC
294151 TTTGTCCTAG ATAATAAGAC AAATAATCCA AGATTGAATC TGCCTTAGAG
294201 AGTTGCTTTA AGGATTATTG CATATACACT ATATCTACAT AACAGAATGA
294251 GAAACTATTA AAATGGTGAT ACATATATCT GTATGCATTA ACATTAAAAG
294301 AAGTTCATGC ATTTATTAAC TGGAAAAGTA GATTACAAAA CTATAAATAA
294351 CACAACATTT ATGTAAAACT ATGTATGTTA CAATGGTCTG GAAAATTGTT
294401 CCCCAAACTG CTAACAGAGC CATCACGTTT ATTATTTTTA CTTTTTTTTT
294451 TTTTTTTTAA AGAAACAAAG CCTCACTCTG TCACCCAGGC CAGAGCACAG
294501 TGGTGCAGTC ATAGTTCAGT GTAGCTTCAG ACTCCTAGTC TTTTGCCTCA
294551 GCCTTCTGAG TAGCTGGGAC TGCAGGTGCA ,CACCACTTTG CCTTGCCAGT
294601 TTTTTCAAAT TTTTTTTGTA GAGGTGGGGA AGTGGAGGGG CTCACTTTGT
294651 TGCCCAGACT GGTCTCATGT CTCCTGGCTT CAAGTGGTCC TTCCACCTTG
294701 GCTTCCCAAA ATGCTGGGAT ACAGGTATGA GCCACCATGT CCAGACAATT
294751 TTTACTTTTT AATTAATGTT AATCAACATT ATAGCAATAT TGTATATAAT
294801 AAATATGAAC CACTTTTATA GTCAGAGAAA GCAATGAAAT TATTTTTATT
294851 TTAAAAACAA ACCAAATGTA CATAGCCTTG GTATTTACTA GCAGTATGAC
294901 TTTTAACTTG TTACACACTT CCTCATTTGT AAAAGGGTGT AAATGTCAGT
294951 CATATTCCCA TCCCATCTTC CTCCCCCATTT ATGAATCCTG AGCCCCTGTT
295001 GGCTCCATTA ACAGCTGGAG TAAATGCCTT TTGACAGATG TGAGGGTCAG
295051 ATTTCTCATC AGCAACTTCC TTAGCAGAAG CAGTGTTGTT AAATAGAAAA
295101 GGTGGAGGGA AACCAAGATG TTGACAGAGC CTAGAAGAGA AGTTAGCATG
295151 ATGATCTAAA GGAGTATTTG CAAAGTCCAG AATTATGTCG CTATTTTAAG
295201 ACTGTCTTTA GTTTTATTGT CATTAACTTA ATGAGTTTCA GGAAAGAGGG
295251 AATGTCTCTT TTGATTCATT TTGATTCAAC AGTTTTATTT TTAGGTATAT
295301 ACAGAGGAGA ATTCTCTTGG TTAAAAATAA AAAAGGAAAA CTTACACAGC
295351 TGAAGTGAAT GGTACTCTGA AGTATCTGTG GGGAGACTGT AGTTAGTGAC
295401 TTGTGTCATA CCCCTTCCAC CCATACCAGA TCCTTTCCTT TGAGACATGG
295451 GTGCTTTTCC CTGGCTAGTC TTAGAAGCAA TCACATTTTT ATATAATGAA
295501 CTCTGAGGGG TTTAAAAATG AGTGAGACAT GGTATCCTGG AGTGCAGCAT
295551 ATGTCTGCTC AGCATTTACA GGTTTGTTTG TTTTTTTCCT CTCTTTACTT
295601 TTCCATTTAG TAGACACTAG GCCATAAACC CGTTTTAATT TATTCACTGA
295651 GAAGGAAATG ACATAATATT CACTGCTGTG GCTGCATAGG TCATCAATTC
295701 CCTGGGACTC AGGATTACAT CTGAGCTGAT ATCAGACTCC CTCTTCCCAG
295751 GATAGTAAAA TTTGAAGTCT GTGTGTCAGG GGCCTGCAGT GTAAGTATTC
295801 GAGAAAGTTT GTTCAAAGTA TTTCCTTTCC AAAAAGCAGG AATTAGAGAA
295851 GCAAGAATAC AGGAGCAGGA TGGTGTATTA GGAATTTTAG CTTAAGATTC
295901 CTTTACAATT TCTTCTCCTA AGAAATTTTA GCTCTCTTTA ACAGTGTGGT
295951 TGTCAAGTAT GCTAGTGAAT CTTACAAAAA TTATGCAACT GGAGAAATGA
296001 AATTATTTGC TATTTGTACT GGCTTATGTG CAGGCAAAAT AAAAGTAGGC
296051 AATGGATGGA AGAAAACAGA GACTTTTGCT TTATTAAGGT GAAGTGAATT
296101 TCACCTCCTT TTATCGTTTG AAGTATTGAG AGGTTTTTGT TAGAGTGTTT
296151 TGTTTGGAAA AGTTATACAG ATTTTGCCTT TAAGAACAAA ATTTTAAATC
296201 TCTCTAAGAG GTTTAGTATT GAGTGGCAAT TATTTTGTTT ACTTGTCTGT
296251 CTTCTCTGTT GACTATGAAC TCCTTCGTGG TGGAGATGGT GTTGCTTATG
296301 TTTGATAAGT CCAATCCCAG ACTCATAAAT GTTTATTTGG TTGGATAATT
296351 AGCAAATTAA TTAATTTTGC CTGTTAATGC AGATAATTTT GCTTAAAAAT
296401 AGTTTTACAT AAACACATAT ACATACATAC ATACATACAT ACATACATAC
296451 ATACATACAC ACATACAGTG GGCCTACCTT CTATTTTCTG CTGCTTTCAA
296501 CTTAAGCTTG GGAATATTTT TGCTATAGCT ATTTACAAAG TTTTTGCATT
296551 AAAGGATTAA ATCACTCTAA GTTGAGTGGG AATTGGAAAG AGCAATAATA
296601 TTGGGGCTAT TTTTAAAATG TCTGTATGCT GGAGAATAGG AAATGGTTAA
296651 CTATGGCCAG ACCTATACCC TAGCATATCT AAATCTATTA CAAAAGTGAA
296701 TTAACCACTG TATTAAAGTT TTCTAGAGAG ACAGATCCAA TAGGAGCCAT
296751 TTATTATCTA GATCTATATA TGAGTTTATT AGGGAGCACT GGCTCATGTG
296801 ATAACACTGT GAAGTCCCAT GATAGGCTAT CTACAAGCTG GGGGAAGACA
296851 AAAGCTGATA GGGGGCCCAG TCCAAGTCAT AAAGCCTTAA AACCAGGGAA
296901 TCCGACAGTG CAGTTATCAG TCTGTGGCTG AAAGCCTGAG AGCCTCCAGG
296951 AGGCCGCTGG TACAATTCCA CAGTCCAAAG GCTGGATAAC CTGGAGTATG
297001 ATGTTCAGGA GTAGTAAGAG AGGAGGCAAG CGTCTGACAC AGGTAGAAAG
297051 AGAAAGCCAG AAGTCTCAGC AAACTGCTTA TACCCCTTCT CCTGCCTGTT
297101 TTGTTGTAGC TGCTGGCGGC CATTGGATGG CACCTGCATT GAAGGGTATT
297151 GCTTTCAGTC CATCAACTCA AATGTCAGTC TCCTCTGACA ACACCCTCAC
297201 AGACACACCC AGTAACAATT CTTTACCAGC CATCTAGGCA TCCCTCGGTT
297251 CAGTCACACC TAATATTAAC TAACCGTCAC AACCGCCATT CCCCATATTA
297301 GTACTTAGTG TGCTAAGTCA GTGCAAAATG TGGGACACTT AATTTACATA
297351 ATTTCTTTTT ATATTTTAAT TCCTGTGAAT AATATGTGTG CTCTTAAGTA
297401 TTTATAAACA TAAACATAGA AAAACAAACA CTTGTGATTT TTATATTCTT
297451 GAGTTTAAGG AAATATATTT AATCTATTTC AGGCAGTTAA AAATATAATTT
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FIGURE 3GGGG

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297501 TACTTGTGCA TGTGTATAAA ATATTTCTCA AAGTAGTACT CTGTAACAAG
297551 AAAACCTTGA CCCTGTTTCT TCAAATGAAT ATAAGCTCTA ATAAATAGAC
297601 ATTTGTTCAA TCTCTGAACT ATTTAACTGT AATGAGTTGA AAAAAAATTT
297651 TTTTTTTTT GAGACAGAGT TTCGCTCTTG TTGCCCAGGC TGGAGTGCAG
297701 TGGTGAGATC TTGGCTCACT GCAACCTCCG CCTTTCTGTT TCAAGCGATT
297751 CTCCTGCCTC AGCCTCCCGA GTAGCTGAGA CTACAGGCAC ATGCCACCAT
297801 GCCCGGGATAA TTTTTTGTAT TTTTAGTAGA GACGGGGTTT CACCATGTTG
297851 GCCGGGATGG TCTCGATCTC TTGACCTTGT GGTCCACCTG CCTCGGCCTC
297901 CCAAGGTGCT GGGATTACAG GCGTGAGCCA CTGCACCCGG CAGAAAATCT
297951 TAAATCTATA CTATAGAGTC TGACAAGAAT TTGGGACCCA AAAGCAATAT
298001 AATTCTATTA CATATTTATC TTAACAAGTA ACATTTTAAA AGTCCATGTA
298051 ATTTATAGAT TTATTTGCTT TCTCTAACAA GTAATGCTTC TAATAAAAAT
298101 CTGGGCCTGG TGGGGTGGCT CATGCCTGTT ATCCCAGCAT TTTGGGAGGC
298151 TGAGGTGGAC GCATCACAAG ATCAGGAGTT CCAGACCAGC CTGGCCGATG
298201 TGGTGAAACC CTGCCTCTAC TAAAAATAGA AAAAAAAATT AGCTGGGTGT
298251 GGTGGTGCAC GCCTGTAATC CCAGCTGCTT GGGAGGCTGA GACAAAGGAA
298301 GTGCTAGAAC CCGGGGAGGCA GGGGTTGCAG TGAGCTGAGA TGGCAGCACT
298351 GCACTCCAGC CTAGGCAACA GAGCAAGACT CCAACTCAAA AAAAAAAAA
298401 AAAAAAAAAA ACCTGGAGTT AAAATTAAAT TTAGCATATA ACTTAACAAC
298451 AACTTAAAAT TACCTCTGTT GTCACATATT CTAGTTGCTA GTGATTTTTA
298501 GCAGTGATTC TTGTGTTATT AATGAGCTAA AAACTTCTTC AGCTTATAAT
298551 GGTTAATCAG TTTTTAAATG AATTTACCAA TTTTGTAATT AAACAAAATC
298601 AATCATTTTG GAGGCTCAGG TAGTCATAAT ATTGTGTAAG ATTGGCACAT
298651 GTTTTTATGA GGTTAATTTA TGTGGTGTCC TAACTTCATA AATTTGATAC
298701 ATGAACGACA TAGGACATTT TAAAAAACCT ACATAGTGTC TTACATCAAC
298751 TATGTAGTAT CCTATGTAGT GTGTATCTCT GGGAAATTTC TTTAGTGATT
298801 GTCTCCGTAG CACTGCAGCT GCCTGTCTAG TTGGTAGCCA CTGGCCACAT
298851 GTGGCTATTG AGCACCTGAA ATGTGGCTTT TCCAGCACCT GAAGTGGGGC
298901 TTTTCCAAAT GGAGATGTGA GTTTTTTGTT GTTGTTTTGT TTATTTTGAG
298951 ACAGGGTCTC ACTCTGTCAC CCAGGCTGGG GTGCGGTGGC ACAATCATAG
299001 CTCACTGCAG CCTAGACCTC CTGGGCTCAA GCAATCCTCC CACCTAAGCC
299051 TCTTGAGTAG CTGGAACTAC AGGCATGCAT CACCATACTC GGGAAATTTT
299101 TTAATTTTTA TTTTTTTGTA GAGATGTGGT CTCATTGTGT TGCCCAAGCT
299151 GGTCTCAAAC TCGTAGGCTC AAGCAATCTT CCTCCCTCAG CCTCCCAAAG
299201 TGCTAGAACT ACAGGCGTGA GCCACTGCAC CTGGCCTGAG ATGTCTTTTA
299251 TACACCAGAT TTTGAAGACT ATTCAAAAAC AATGTAAAAT ATTTTTAAAC
299301 AATTGTTAAC ATTGATTTTT AAATGATGAT ATTCTGGAAT ATTGGATTGA
299351 ATATATTACA TTTGTTTTAC TTTTTTTAAAA ACCTTTAAAA TATAGTTTCT
299401 TAAAAAATGT AAAAATGGCC AGGCACAGTG GCTCACACTT GTAATCCTAG
299451 CACTTTGGGA GACCGAGGTG AGCAGATCAC CTGAAGTCAG GAGTTCGAGA
299501 CCAGCCTGGC CAACATGGTG AAACCCCGTC TCTACTAAAA ATACAAAAAA
299551 ATTAGACAGG CATAGTGGCA CGTGCTTGTA ATCCCAGCTA CTCAGGAGGC
299601 TGAGGCAGGA GAATCATTTG AACCCGGGAG GCGGAGGTTG CAGTGAGCCA
299651 AAATTGCGCC ACTGCATTCC AGCCTGAGCA ACAAGAACAA AAACTCCATC
299701 TCAAAAAAAA AAAGTAAAAT TATATTTGTA GCTCATACTA TATTTCTTTT
299751 GAACAACACT GATCTAAAGT GCTATGTTTT TCATTGTCCG TTTAAATGGA
299801 TTATGATGTA ATTAGACTAG AGATCTCATG GGTTTTAGAA CTAAAATGTT
299851 CTGGGGTCAG ATGTGGCTTC TGGCTTTTAC TTATTTGTAT TTCTGGCCTC
299901 AGTTGTACCC GAAAATAAAT TTTTGTTGGA AATACAGTTT GTCCTGAGCT
299951 AATAGAGGAA CATGATTTAC CTTCAATTCT GGAGAGCTAG TAAAATAATT
300001 TAGAACACTA TGTCAAGAAT GATTCTTTCT CACTCATAAC ACTTTCTTGT
300051 GTGTCTGTTA TTTTAAGTAT CAAAATTCTC CTTTAAAACT CTGGGATAGA
300101 TGTTTCACAT GTTTCTTCTT GACCTAAAAG GTGTCATTTT CAGGCACCAA
300151 AAGTTCTTAA ACACTAATAT TCTGGTATGT AGCTGCTGAT GAAAAATGTA
300201 CTTCTTAGCA AATCCTAAGC TGGATACACA TAAAATCACA CAAGGCATAG
300251 CATGATAAAA TTGTATAAAA CCAATGATAA AGAGGAAAAT TTTTTTAGTT
300301 ATGTTATGGT AAGAACATTT AACATGAGGT CTACCTTTAA AAATTTTTTT
300351 TCAGTGTATA ATACAGTATT ACCAACTGTA GGTGTAATGT CATACAGTAG
300401 ATGTGTAGAA CTTAACTGAA GCATTGCTTC ACTGAAGCAT TATGCCTGTT
300451 GATTAGTAAC TCCTCATTTC CCCCTCTCCC CAGCACCTGG TAACCATCTT
300501 TCTACTCTTT GATTCTATGA ATTTATCTAT TTTAGATACC TCAGTTAAGT
300551 AGAATCATGC TATTTGTCTT TGTGTGACTG GTTATATATTA CTTAGCATAA
300601 TGCCTTCAAG TTTCATCCAT GTTATCCCAT ATGGCAGAAT TTCCTTCTTT
300651 TTAAAGACTG AATAATATAC CATCATATGT ATATGCCACA TTTTCTTTAA
300701 TCCATTCATC TGTAGATGGA CATTTAAGTT GTTTCCACAT CTTGGCTCTT
300751 GTGAATAGTG CTGCATGAAC GTGAGGGTGC TAATATGTCT TTGAGATCCT
300801 GGTTTTAATT CTTCTTGACA AATACCCAGA AGTGGGATTG CTGGATTAAT
300851 ATGGTAATTC TATTTTAATT TTTTGAGGAA CGTTCTTACT CTTTTCCATA
300901 GCAGGTGCAT CATTTTGCAG TCTCATCAAC AGTGTGCAAG GATTCCAGTT
300951 TTTCCACATC CTCACCAACT TTTATTGCCT TTTATTTCTT TGATTATAGC
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FIGURE 3HHHH

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301001 CATGCTGACA GGTCTGAGGT GAAGGCTCAT TGTAAGTTTG ATTTACATTC
301051 CCTCAGTGAG TACTGACATT GAGTAATTTT TCATATACCT GTTGCCCATT
301101 TGTATATTTT CTTTGGAAAA ATGTCTGCTC AACTCCTTAG CCCATTTTTA
301151 ATTTGGGTTG TATTGGTCCA CTCTCACACT GCTATAAAAA AATACCTGAG
301201 ATGGGGTAAT TTATAAAGAA AAAAAGGTTT AATTCATTAA TGGTTCCACA
301251 AGCTATCCAG GAAACATGGC TGGGGAGGCC TCAGGAAACT TCCAATCATG
301301 GCAGAAGGCA AAGGGGAAGC AGGCACATCT TCATATGGCC AGAGCAAGAG
301351 GAAGAGAGAG GCAGAAGGTG CCACATACAT TTGAGCAACC AAATCTCACA
301401 GCTACCACAA GAGCAGCACC AAGGGGAACA TTCTCCCCCA TGGTCCAATC
301451 ACCTCCCACC AGGCCCCACC TCCAACACTA GGGATTATGA TTTAACATGA
301501 GATTTGGGCG GGGACCCAAA CCATATCATG GGTTATTGGG GTATTTTTTA
301551 AATTGAGTTG TAGGGGTTCC TTATATATTT TGGAGACTAA CCCCTAATAT
301601 TGGATACATG GTTTGCAAAT GTTTTCTCCA ATTCAGTAGG TTGCTTTTTC
301651 ACTCTGTCGA TTGTTTCCTT TGCCTTGCAG AAACTTTTTA GTTTGATACA
301701 GCCCCACTAG TTTATTTCTA TTTTTGCATT CTGTGCTTTT ACTGTCTATAT
301751 TCATGAAATT ATCACCAGGA CCAATGTCAT TAAGCTTTTC CCTTATGATT
301801 TCTGTAGGAG TTTTACAGCT TTAAGTCATA TGTTTAAATC TTTAATCCTT
301851 TTTGAGTTGA TTTTTGTATA TGATGTAAGA TAAGGGTCCA ATTTCATTGT
301901 TTTGTTTTTG GGTATCTAGT TTTCCCAGCA CCATTTATTT ATTTATTTGT
301951 TTTGTTGAGT CATCTCTCCT TTTTCTTTTT TTCTTTTCTT TTTTTAAATT
302001 ATACTTTAAG TTTTAGGGCA CATGTGCACA ACGTGCAGGT TTGTTACATA
302051 TGTATACATG TGCCATGTTG GTGTGCTGCA CCCATTAACT CGTCATTTAA
302101 TTTAGGTATA TCTCCTAATG CTATCCCTCC ACCCTCCCCC CATCCCACAA
302151 CAGGCCCCGG TGTGTGATGT TCCCCTTCCT GTGTCCATGT GTTCTTATTG
302201 TTCATTTCCC ACCTGTGAGT GAGAACATGC GGTGTTTGGT TTTTTGTCCT
302251 TGCGATAGTT TGCTGAGAAT GATGGTTTCC AGCTTCATCC ATGTCCCTAC
302301 AAAGGACATG AACTCATCAT TTTTTATGGC TACATAGTAT TCCATGGTGA
302351 ATATGTGCCA CATTTTCTTA ATCCAGTCTA TCATTGTTGG ACCTTTGGGT
302401 TGGTTCCAGG TCTTTGCTAT TGTGAATAGT GCCGCAATAA ACATACCTGT
302451 GCCTGTGTCT TTATAGCAGC ATGATTTATA ATCATTTGGG TATATACCCA
302501 GTAATGGGAT GGCTGGGTCA AATGGTATTT CTAGTTCTAG ATCCCTGAGG
302551 AATCGCCACA CTGACTTCCA CAATGGTTGA ACTAGTTTAC AGTCCCACCA
302601 ACAGTGTAAA AGTGCTCCTA TTTCTCCACA TCCTCTCCAG CACCTGTTGT
302651 TTCCTGACTT TATAATGATC GCCATTCTAA CTGTTGTGAG ATGGTATCTC
302701 ATTGTGGTTT TGATTTGCAT TTCTCTAATG GCCAGTGATG ATGACCATTT
302751 TTTCATGTGT CTTTTGGCTG CATAAATGTC TTCTTTTGAG AAGTGTCTGT
302801 TCATATCCTT CACCCACTTG TTGATGGAGT TGTTTGTTTT TTTCTTGTAA
302851 ATTTGTTTGA GTTCATTGTA AATTCTGGAT ATTAGCCCTT TGTCAGATGA
302901 GTAGATTGCA AAAATTTTCT CCCATTCTGT AGGTTGCCTG TTCACGCTGA
302951 TGGTAGTTTC TTTTGCTGTG CAGAAGTTCT TTAGTTTATT AGATCCCATT
303001 TGTCAATTTT GGCTTTTTGTT GCCATTGCTT TTGGTGTTTT AGACATGAAG
303051 TTCTTGCACA TGCCTATGTC CTGAATGGTG TTGCCTAGGT TTTCCTCTAG
303101 GGTTTTTATG GTTTTTAGGTC TAACATTTAA GTCTTTAATC CATCTTGAAT
303151 TAATTTTTGT ATAAGGTGTA AGGAAGGGAT CCAGTTTCAG CTTTCTACAT
303201 ATGGCTAGCC AGTTTTCCCA GCACCATTTA TTAACTAAGG AATCCTTTCC
303251 CCATTTCTTG TTTTTGTCAG GTTTGTCAAA GATCAGATAG TTATAGATAT
303301 GTGGCATTAT TTCTGAGGGC TCTGTTCTGT TCCATTGGTC TATATCTCTG
303351 TTTTGATACC AGTACCATGC TGTTTTGGTT ACTGTAGCCT TGTAGTATAG
303401 TTTGAAGTCA GGTAGCATGA TGCCTCCAGC TTTGTTCTTT TGGCTTAGGA
303451 TTGACTTGGC AATGTAGGCT CTTTTTTTGGT TCCATATGAA CTTTCAAGTA
303501 GTTTTTTCCA ATTCTGTGAA GAAAGTCATT GGTAGTTTGA TGGGGATGGC
303551 ATTGAATCTG TAAATTACCT TGGGCAGTGT GGCCATTTTC ACGATATCGA
303601 TTCTTCCTAC CCATGAGCAT GGAATGTTCT TCCATTTGTT CGTATCCTCT
303651 TTTATTTCAT TGAGCAGTGG TTTGTAGTTC TCCTTGAAGA GGTCCTTTAC
303701 ATCCTTTGTA AGTTGGATTC CTAGGTATTT TATTCTCTTT GAAGAAATTG
303751 TGAATGGGAG TTCACTCATG ATTTGGTTCT CTGTTTGTCT GTTATTGGTG
303801 TATAAGAACG CTTGTGATTT TTGCACATTG ATTTTGTATC CTGAGAGTTT
303851 GCTGAAGTTG CTTATCAGCT TAAGGAGACT TTGGGCTGAG ACGAAGGGGT
303901 TTTCTAGATA TACAGTCATG TCATCTGCAA ACAGGGACAA TTTGACTTCC
303951 TCTTTTCCTA ATTGAATACC CTTTATTTCC TTCTCCTTCC TGATTGCCCT
304001 GGCCAGAACT TCCAACACTA TGTTGAATAG GAGTGGTGAC AGAGGGCATC
304051 CCTGTCTTGT GCCAGTTTTC AAAGGGAATG CTTCCAGTTT TTGCCCATTC
304101 AGTATGATAT TGGCTGTGGG TTTGTCATAG ATAGCTCTTA CTATTTTGAG
304151 ATACGTCCCA TCAATACCTA ATTTATTGAG AGTTTTTAGC ATGAAGGGTT
304201 GTTGAATTTT GTCAAAGGCC TTTTCTGCAT CTATTGAGAT AATCGTGGTT
304251 TTTGTCTTTG GTTCTGTTTA TATGCTGGAT TACATTTACT GATTTGTGTA
304301 TGTTGAACCA GCCTTGCATC CCAGGAATGA AGCCCACTTG ATCATGGTGG
304351 ATAAGCTTTT TGATGGGCTG CTGGATTCGG TTTGCCAGTA TTTTATTGAA
304401 GATTTTTGCA TCGATGTTCA TCAGGGATAT TAGTCTAAAA TTCTCTTTTT
304451 TTGTTGTGTC TCTGCCAGTC TTTGGTATCA GGATGATGCT GGCCTCATAA
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FIGURE 31III

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304501 AATGAGTTAG GAAGGATTCC CTCTCTTCCT GTTGATTGGA ATAGTTTCAG
304551 AAGGAATGGT ACCAGCTCCT CCTTGTACCT CTGGTAGAAT TTGGCTGTGA
304601 ATCCATCTGG TCCTGGACTT TTTTTCGTTG GTAAGCTATT AATTATTGCC
304651 TCAATTTCAG AGCCTGTTAT TGGTCTATTC AGAGATTCAA CTTCTTCCTG
304701 TTTTAGTCTT GGGAGGGTGT ATGTGTCGAG GAATGTACCC ATTTCTTCTA
304751 GATTTTCCAG TTTATTTGCA TAGAGGTGTT TATAATATTC TCTGATGGTA
304801 GTTTGTATTT CTGTGGGATC GGTGGTGATA TCCCCTTTAT CATTTTTTAT
304851 TGCATCTATT TGATTCTTCT CTCTTTTCTT CTTTATTAGT CTTGCTAGCG
304901 GTCTATCAAT TTTGTTGATC TTTTCAGAAA ACCAGCTCCT GGATTCATTG
304951 ATTTTTTGAA AGGTTTTTTG TGTGTCTATT TCCTTCAGTT CTGCTCTGAT
305001 CTTAGTTATT TCTTGCCTTC TGCTAGCTTT TGAATGTGTT TGCTCTTTCT
305051 TCTCTAGTTC TTTTAATTGT GATGTCAGGG TATCAATTTT AGATCTTTCC
305101 TGCTTTCTCT TGTGGGCATT TAGTGCTATA AATTTCCCTC TACACACTGC
305151 TTTGAATGTG TCCCAGAGAT TCTGGTACGT TGTGTCTTTG TTCTCGTTGG
305201 TTTCAAAGAA CATCTGTATT TCTGCCTTCA TTTCATTATG TACCCAGTAG
305251 TCATTCAGGA GCAGGTTGTT CAGTTTCCAT GTAGTTGAGC GGTTTTGAGT
305301 GAGTTTCTTA ATCCTGAGTT CTAGTTTGAT TGCACTGTGTG TCTGAGAGAC
305351 AGTCTGTTAT AATTTCTGTT CTTTTACATT TGCTGAGGAG AGCTTTACTT
305401 CCAACTATGT GGTCAATTTT GGAATAGGTA TGGTGTGGTG CTGAAAAGAA
305451 TGTATATTCG GTTGATTTGA GGTGGAGAGT TCTGTAGATG TCTATTAGGT
305501 CCACTTGGTT AAGAGCTGAG TTCAATTCCT GGGTATCCTT GTTAACTTTC
305551 TGTCTCGTTG ATCTGTCTAA TGTTGACAGT GGGGTGTTAA AGTCTCCCAT
305601 TATTATTGTG TGGGAGTCTA AGTCTCTTTG TAGGTCCCTA AGGACTTGCT
305651 TTGTGAATCT GGGTGCTCTT GTATTGTGTG CATATATATT TAGGATAGTT
305701 AGCTCTTCTT GTTGAATTGA TCCCTTACC ATTATGTAAT GGCCTTCTTT
305751 GTCTCTTTTG ATCTTTGTTG GTTTAAAGTC TGTTTTATCA GAGACTAGGA
305801 TTGCAACCCC TGCCTTTTTT TGTTTTCCAT TTGCTTGGTA GATCTTCCTC
305851 CATCTCTTTG TTTTGAGCCT ATGTGTGTCT CTGTACATGA GATTTTGAGA
305901 TGAGTTTCCT GAATACAGCA CACTGATGGG TCTTGACTCT TTATCCAGTT
305951 TGCCAGTCCG TGTATTTTAA TTGGAGCATT TAGCCCATTT ACATTTAAGG
306001 TTAATATTGT TATGTGTGAA TTTGATCCTG TCATTATGAT GTTAGCTGGT
306051 TATTTTGCTC GTTAGTTGAT GCAGTTTCTT CCTAGCCTTG ATGGTCTTTA
306101 CAATTTGGCA TGTTTTTGCA GTGGCTGGTA CCGGTTGTTC CTTTCCATGT
306151 TTAGTCCCAG CACCATTTAT TAAAGAGGAA AATCTTAAAA GCAACTGGAG
306201 AAAAAAAAAA GATAAGATAC AGATTAATAA GGTAATAATT CTTATTCCCT
306251 ATAGAAGCCA TGCAAAGCAG AACACAAGGA AATGACATAT TTCAAGTGCT
306301 AAGTGGATGA ATCTCAGTCA GATTATTCGG AATACTAATA GCGTTCATTT
306351 ATTTAGTACA TATTGTAAAC CAGAAATTAT GCTGATTATT TTAATATGCA
306401 TTATCTCATT TAATCCTTAC AGCAACCCGG AGAGGCAACT AGAATTAACA
306451 CATTTTAGAG GTGAAGAAAA TGAGGCTAAG AGAAGCCAAG GGACTTGGCT
306501 AATAAATGTT ACACACTTAG CAAATGGAAA ATTCAGGATT TCAAACCAGA
306551 TATGATTAAC ATAAGCCATG TCTCCTCTTA CTATTAACCA TAACTGGTAG
306601 AACATATACA TAACTTAAAT TTGATAGGTA AGCTGATTGG AGGCTATTTG
306651 TTGTGGTACG AATGTTTGAA AATTGCTGTC GTCAGCAAG TATTTATCAA
306701 GCACATTAGA TATTCCAGGC TGGAACTGGA ATGGAATCAT GAACAATACA
306751 AGTATGGTTC TTTATCCTTA TGGAGCTTAT AAATGTCTAA GGAAAAGAAA
306801 TGTGGTAATT CTAGGTACTT CTGAGGATGG TTCTAAGGAT TAAATGATAT
306851 ATTAAAAAAA ACCAGCACAA TTTCTGGCAT ATAACATTTA TGTTCAATAA
306901 TTTTAAGTAT TTAAAAAAAT AGTTATAAGT AGTCTAAGTG TTCTGAATAA
306951 GTGCCAAGTG CTGTGGAAGG ACATTGGAGG GAAAAAGCTA ACATAGTCTG
307001 GGAGATTAGG AAAGGCTTCC CTGAGTTATT GATTTTTAAG CAGAATCTGA
307051 TGAGTGAATA ATCTGTTAGC CAGAGCAAAG AGATTGGACA CAAAAGATCA
307101 TTATATTCAA AGGGCTGCAC ATTTGATAAG ACATTGCAGA GGTTGAAGAG
307151 AGCATAGTAT GTTCTTATTC TAAAGACAGT GGGAAACAAA TGAAGCTTTT
307201 TAAGGATGTG GGTGGAGGGT TGCTGGCAAT AATCATGTTA GCCTTAAAAA
307251 ATCATTTCAT CATTCCAGCA ACCTCTAAGA ACAGTCTTTG AGGAATGTGG
307301 CAAGAGTAGA CACGAGGATA AATGTGAGGA AGTGGTTCAA ACAGTGGGAA
307351 CAGAACAAAG TGGACAAAGC TACTTACATG GAATATACAA AATTTGGCAA
307401 TTTTGGATGT AGGAAAGGAG AAAGAAGATG CACAGTTCTT AGGTTTCTGG
307451 GATGATGGAA ATGCCGTTTC CTGAGAATGG AAATATCGCA AGTTTTGAGA
307501 GAAAATTATT AGATATCTTT ATTTGGATAT ACCTGTATGC TGTGTCAGTT
307551 AGAGAGATAT CAAGTAGGCA GTTTGACACA CTGGTGCTCT GAGGAGAAAT
307601 TTGGACCCAA TATCTAGATT TTGGGAATCA TTTATATGCA TACTTTAGAG
307651 ATATCGTATG TTCGGTTCCA GATCAGCAAA ATAAAGTGAG TTTCTCAATC
307701 TATTAAATGT GCAAAAGAAT TATGTCTAAA AAACAATTT TTTTATTGT
307751 TTCAGAATAC TTTATTGCTA AAAAAATGCT AGCAATCATC TGAGCCTTCA
307801 GCAAATCATA GTCTTTGCTG GTGGGTCTTG CCTCCATAAA GATGACTGCT
307851 GACTGATCAG GGTGGTGGTT GCTGAAGGTT GAAGTGGCTA TGGCAGTTTC
307901 TTAAGATTAA CAGTGAAGTT TGCCACATCC ATTGACTCTT GTTTTCAGGA
307951 AAGATTTCTC CATAGCATGT GATGCTGCTT GGCAACATTT TACCCACAAT
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FIGURE 3JJJJ

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308001 ATAACTTTTA AAACTGGAGT CAATTCTCTC TGCCACTGCT TTATCAACTA
308051 AGTTTATGTA ATATCCTGAA TTATTTGTTG ACATTTCAGT AAGGTTCACA
308101 GCGTCTTCAC CAGGAGTAGA TTTCATCGCA AGAAACCACT TTCTTGGCTC
308151 ATCCATAAGA AACAATTCTT CATTCAAGTT TTTTCATGAG ATTCCTGCAA
308201 TTCAGTCATA ATTTCAGGCT CCACTTCTAA TCCTAGTTCT ATTCCTATTT
308251 TCACCCCATT TGCAGTTACT TCCCTCCACT GAAGTCTTAA ACCCCTCAAA
308301 GTTATTCGTG AGGGTTGGAA TCAACTTCTT CCACACCCCT GTTAATGTTG
308351 ATATTTTGAC CTCCCCCTGAA TCATGAATTG ACCTTCTCCC CTGAGTCATG
308401 AATGTTCTTA ATGACATCTA GAATAGTGAA TCCTTTCCAG AAAGTTTTCC
308451 GTTTACTTTG CCCATATTCA TTAGAGGAAT CACTATCTAT GACTGCTGTA
308501 GCCCTACAAG ATGTATTTCT TAATAAGACT TGGGAGTCTA AATTATTCTT
308551 TAATTCATGA GTTGCAGAAT GGATGTTGTG TTAACAAGGC TTGAAAACAA
308601 CACTAATCTA CATCTCCATC AGAGTTGTTG GCTGACTAGG TACACTGAAA
308651 ATGATCAGTA ATATTTTGAA AGGAATCATT TTATCTGAGT AGTAAGTTTC
308701 AACAGTGGGC TTAAAATATC CAGTAATCAT GCTATAAACA AAGTGTTGTC
308751 TTGCAGGCTT GGTTGTTCCA TTTATAGAGA CAGGAAGAGT AGACTTAGCA
308801 TATTCTTAAG AGCCCTAGGA TTTTCAGAAG GGTAAATGAG CACTGGCTTC
308851 AACTTATATT TACCAACTGC ATTAGCCCCC AACAAGAGAG TCAGCCTATC
308901 CTTTGAAGTT TTGAAGCCAG GCATTGATTT CTCTCTAGCT ATGAAAGTCC
308951 TAGATGACAT CTTCTTCCAA TATAAGGCTG TTTCATCTAC ATTGAATATC
309001 TGTTGTTTAG TGTGGCCACC TTCCTCAATT ACCTTAGCAA CATGTTTTAA
309051 ATAACTTGCT GCAATTTCTG TATCATCACT TGCTGCCTGA CCATGCACTT
309101 TTATGTTATA AAGACTGCTT CTTTTCTTAA ACTTCATCAA CCAACCTCTG
309151 CTAGCTTCAA ACTTTCTTCT GCAGCTTCTT CACCTCTCTC AGCCTTCACA
309201 GAATTGAAGA GGGTTAGGGC CTTGCTTTGG ATTAGGCTTT GGCTTCAAGG
309251 AATGTTGTGG TTGGTTTGAT CTTTTATCCA GATCACTCGA AGTTTCTCCA
309301 TATCATCAGT AAGACTGTTT TGCTCTCTTA GTATTCATGT GTTCACTAGA
309351 GTAGCACAAT TTCCTTGAAG AGTTTTTCCT TAGCATTCAC AATTTGCTTA
309401 CTGATTGGCA GAGGAGGCCT AGCTTTTGGC CTTTCTCAGT TTTCAATGCA
309451 CCTGCTTCAC AAAGCTTCAT CACTTCTAGC TTTTTATGTA AAGTGAGAGA
309501 TGTGGGACTC TTCCTTTCAC TTAAATACTT AAAGGCCATT GTAGGGTTAT
309551 TCATTGGCCT AATTTCATTA TTATTGTGAC TCAGGGCATA GGAAGGCCCA
309601 AGGAGAGGAA GAAAAGCAGG GAACAACCAG TTGGTGGAAC AATCAGAATA
309651 CACACAACAT TTGTCAGTTA AGTTTACCAT CTTATATGGG CATGGTTTGT
309701 GGTGACCCAA AATAATTACA GTAAAAACAT CAAAGAACAG TGATCACAGG
309751 TCACCATAAT AAATATTATA ATAATGAAAA GTTTAAAATG TTGCAAAATT
309801 ACCAAAATGT GACACAAAGA CAAGAAGTGA GCACATGCTG TTGGAAAAAT
309851 GGCTGCAGTA GACTTGCTCA ATGCAGGGTT GCCACAATTT ACAATATAAT
309901 ACATTGTATT ATAAAAAATA CAATATCTGC AGAGCCCAGT AAAGCATAGT
309951 GCAATAAAAT GAGGTGTGCT TGTATTTATA GATGATATCT AAAGTCAAAG
310001 AATGGGTGGA ACAGTGAAGA CGAAGAAAAA GAAGAAAGTT AAGTATAAGC
310051 TCTGAGGCAC TTCAACTTTT AAATTTAGCC AGAGGGGGAG GAGCCAGCAA
310101 GTAACAATGC ATGAATAGGA ATATCTAGAG AAATAAGAGG TATAATGTGG
310151 AGTGTCAGAA GCCAAAAGCG AAGTGTGTTA AGAACAAAAG TGTAGTTCAT
310201 CTTTTCCAAT CCTGCTGAAA ATTAGGGCAA GATACAGACA GAAAAGGCAT
310251 TTCTTAAAAT TTTAACAACC TGGAATTCAT TCATGATTTT AACAAGAATC
310301 ATTTTGGTGG AGTGAGAGGG ACAGATTTGA GTCAGCTGAG AAAAGTGTGA
310351 CAAATGAGGA ACCAGAGACA GAGCTTAAAC AATTCTTTAG CTATGAGTGT
310401 GGAAGAAAGA GATTGGGCAA TAGCTAAGAC AGGATAATGT GTTGAACGAG
310451 GGTTTTTAGT AGGCAGGAGA TATCTGATGG AAAAGAGCAA ATAGAGAACT
310501 TGAAGATACT GCATTGGGGG ATGATTGCAG TGCAATGTTA TGTCGTGGCA
310551 GAATGAGGTG GGATTGGGAG AGATTGCTCT TAGATAAGAA GAATTGCTGG
310601 TCTGATGTAA AGTTAGGCAA AATATTTTAA AACATACTAT TAAAGCTAAC
310651 TGTCAATTCT TAGCATCACA ATGAAATCAT GAAAACCCCG CAGGTGCTTC
310701 GCAGTTCCTA CAGGGAATCT TCCTTGTTAC AACAACAACA AAGCAAAAGA
310751 AGACACCAAA CCGACCAACA GCAAGGAGTA ATATTGAATA TTCAAAAATA
310801 AAATCTATTC CTTGACTTCA AATCATTAAA GTAGAGCTGC CTATTTAAGA
310851 ACTTTTATTT GCACAGTCCT ATTAATTTTA ATGCCTAAAG CAGTGTTAAT
310901 CGCATGACCC ACGTGAAAAG ATTTTAAAAA TTGCTTTGTT AGAAAATGTA
310951 ATAGACTTGT CGTTAAAGTT TTCAAACTCT TTTTTAAAGA TTTGTAATAT
311001 TTGGCTAGAG TTCCATTTAT TTTCTTTAAA AAAATTATGT ACACACACAC
311051 ACGCACACAC ACACACACAC ACAGTCACTC CTATCCCGCA CCCTCAGAGA
311101 AAGTTTGAGA TTATACAGCC ACATCTGTCA GAGCTGTGCT AACCTATGTC
311151 ATCCATCTGT TCTGGTTATA TTTTCCTTCC CTTTCCTCTC TTTTTCTTCC
311201 ATTCTCCCCA GCCTTTAAAA GAAAAAAAGT TGAGGAGTAAA AACAAATCAC
311251 CTCTTTTTAT ATTGAAATTT AAGGTGGAAG AAAAGTGGTT ATAAAAGCAT
311301 CTATCATCAT AGCACTGACT TGCCAAGTTA AGTATTTAGG TTGGAAATCA
311351 TGCCTTTCCA ACTGCTTAAA AACAGGAAGT ATCTCTGCTA AGTGATAAAT
311401 AGCTCCCTGT TGCTGGAAAG GAAGGCCTCT TTTATTTCTT TCTACATTTT
311451 TGAGCAATAA TAAATGAGTT CTGCATTTTC ATACATGGGT GTATGTGTGT
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FIGURE 3KKKK

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311501 GTGTGTGTGT GTGTATAATG CAGAAATCCA TTTGCAGTGT TTATGTATAC
311551 ATATATACCT CAGTATATGT AAATATATGT GAAATACTT TCCAAGACTT
311601 TAAGCATAGA ATCTCTTCTC ATAAGCCAGC CCAGGCACAT CTTACTCAAC
311651 AATTCAAGCA AAACCTTTGG ATCTGTCAGA AACAGCTTAT AGGTCGGCAT
311701 TAGGTGATTA ATTGCCAGGA GAATCTGGTT CTATATTTTG TTACATATAA
311751 TTATTTTCTT TTCTAAAGGT GTTCTTTTAT TAAGCTCCCA CCATAAAAGA
311801 GGGGAAAATA AGCACACGTC TTACATGCCT GATGTTTAGC ACTTCTTACA
311851 AAAGAAAGAG GAAAACTTTA ACATAATCCA CTGATAAAAG CATATTTGTC
311901 TTGGCTTCAG ACAGTTTTCT CCTCATTTTT ACCAAAACTT TAATAATATT
311951 TTAACTTGCT TAGAAATTAG TCTTGGGATA GCAGTATGGA ATAATGGAAT
312001 ATACTTTGGT TATACAATCT GACGGTATAA AATTAAACCT TAGTTCACAT
312051 TCTATCCTTA ATGCTTACTA CCACTCTGAC CTTTTACAAT TACTTAACGT
312101 CTTCAAGCTT TTATTTCCCT TTTTGTAAAT TGACTATAAG AATACATATC
312151 TCCTTTTGAG TGTTACTGTG AGGATTGCAC TAATTACCAT AGTAAAGCAC
312201 TTATTACAGT TCTGAAAATA TAGTAGGAAC CCAATAACAT TACCATTTTA
312251 AACATTATTA GTTTGCTTAT TCTAAGCTCT GCCACTTAAT CATGTATGAC
312301 TCAATATCAA TATTACCTCC ATGGGCCTCA GTCTTCTCAG TAAATACAGG
312351 AGTTTAGAAA TGGAAGAATT TTTTGTGAGA CTAATGTCCT GTGATTCTCT
312401 AATTATCTTC ATATCAAATG AAGAAAAAGT ATTTTCATTT TAGATACAAA
312451 TTATTCTTAT CCCCATAACT GACAAAGCAA GGAATATGGC TTCTACAATG
312501 TAATTTCTGC TTTACTTTTG ACTGAGTATT CATAAGACTT CTTTTGGTGT
312551 TGATTATGGT CTCTAGAGCG AGACTGCCAA TATTTCAATT CTGGCTCCCC
312601 ACCACTTACC AGCTATGTAA CTTTAGGCAA ATTATTTAAC CTCTCTCTAA
312651 CTCAGTTTTA TTATCTATAA AGTGAGACTA ATAATAGTAC CTCGCCTTCC
312701 GGGCTGTTGT GCAGATTAAA GGAGTTTTAT GTAAACTCAT TCATGAATTT
312751 TATGTAAAAG AGTTTGAACA ATATCAAGCA TATTGTACAT TTCACATGCA
312801 CATATTATTG TTGTCATCAT TGTCATTGTC TGGAATAACA TCAATTGCCT
312851 CTAACCATAG CATGGGAATA CTGTAATAGA TGAATAAGAG TTTGACTATC
312901 TGAAATGCAG TTCTAGCACC ATAGGCTTTG ATAAGTATCT TACTAATGAC
312951 AGATCTCTAA ATATGCATGC ACATACCAAT AGAGTGAGGG AAGAAAATTT
313001 AGAAACATAC TCATGACTAT TTTATGTACC ATTCTTTTTA ATGTACACTT
313051 TTGTGTTGTA TACAATATAT TAATACAAGA AGGCATGTGT ATGCTTTCTG
313101 ACTAAACATT AAAAAATGGG GGAAAAGTGC TCACATAGTT TTTACTAATA
313151 TGAATGAATG ATCAAAAAAC TTTGGAGACA GCTGTCCTAG GAGACAGTGT
313201 CTTCCAAAGG TGGTGTTAAC TTGACCTCGC CATCAGTCTC AGTTGTCTGC
313251 CCTGTACTAG ATGGAGATGA ACATGTATTG AAGAAGCAAA TCAAACTTTC
313301 ATGACTCCAG AGAGTCTGGA AAGACCACAA CGAGTAGTCC TTTGCTAAAG
313351 ATAGAATAAG TGTAGTATGG AATCCAAGTT ATTCTGACTA TGTCAACTAC
313401 TTGGTGTGAC TGAATAATCA AATACCTGAG AGATGTCAAA TAAATCATTC
313451 CTTTTCAGTA CTCATATTTG GACTTCACCA TGGAAGAAA TACTGCTGTT
313501 CTCAGTGCCC AGGGACTACA AAACCACATT CCCACAGAAT AACCAAATTC
313551 CTTTTCTGCT TATGTTTAAC AGCAGTGCAA CTGGGCTTTT CTAATAGATT
313601 TTAAACTTTT TGTTATAAAT ATTGTTACCT CCACGGAAGT GAGGAAATTA
313651 TATTTTTTAA CTATTCTGCT TAGAAAATAC CACAAATAAA GGAAAATCAA
313701 TAAATTTCTT TCTTAAGTGG ATACATTTTA AAGCAGAGTT ACCAGTATTT
313751 GAAAATAAACT CAAAATGAAC TTCTTTCTCT CTAAGAAGTT CTCATAATGG
313801 GTTGATATGA CCCATGTGTT AGTACATAGA TACCTAGGAG TAAATGCCCC
313851 CACCTCCTTT GGGTAATGTA TTTTTGGGGG GAATCTGATA GATACACTCT
313901 CCTGAAAATA CAAATACAAA ATTTTTACAC GTAAAATTTA GCCTACAGTT
313951 TCAAGGCTTC ATAGATACTG TTTTCCCTAA ACGCATTCAA GAACCTTTAG
314001 GTAACTGAGA TCTTCTGGAT GTGAAAGGGA TGTAGCTACA TATACATTCC
314051 AACCCATAAG CCACTGTGTC ATCATTGCAG TTTATGATAA GCTTTCTGTA
314101 AACCCTTCAT TTTCTAGGTT TGGCTTCAAA AGTCATTGGT GCAATTCTTA
314151 ATTACATAGT TACGTCTTGT TTTTTAACGC TTGAAATAGT GTTAAAATGA
314201 TGGCATCTGC ATTATCTCTT TGCTGTGTGA TATTTGCTTA TTATGTTTTA
314251 ATTATTTAAA TTTTTATGAG GCCACCATGT AAGTTATAAT CTGAATCTTC
314301 CCAAAGATAT ATTGTCTTAC ATTCTGCCAC AGAATTAAAA TGACAAAAAT
314351 AGTGCATCTC ATAGCAAAGA CATAGAGTTC CACTTTACAG ATGAGAAAGC
314401 TAAGGCTTAA GAGCACTTAG AGTGATTTGA TTCATTTATG AGGTAAGGGA
314451 CTGTCCACGT TCACCTATGA GGCTTTTTTA AACTAACTTG TACAAGCCAT
314501 ATCTCTCAAA GTCTAGTCTA GGAACTTTCT CTGTCAGAGT CAGCTGGCAA
314551 GCTTATTAAA CATGCAGGGT CTGACCTCTC CCTCCAGACC AAATGGGATG
314601 TAAATGGGGA ACAAGATTCT TCTAGATGAG CAGATAAGCC AGATGATTCC
314651 TGTGCACATT GAGGTTTGAG AAACCCTGAA AATTGGTTTA ACTTTAACTG
314701 CACATTAGAA TCGAAGAAAA TAATTTGCCT GGACCTAGAC TGATTGATTG
314751 TCACTGGAGC AAGGAGGTGG AGGTAACCTA GGTTCTTAAA GTTCACCAAG
314801 TGATTGTGAT GCACAGTGAA GGTTAAAAAC CACTACTCTA AAGTATTTAG
314851 AAAGTTTTCC TGTAAAAGGC CAGATGGTAA ATATTTTAGA CTTTATAGGC
314901 TACATCTGTT ATTCCTTGTA GCTACTCAAC TTTGCTGACT TAGAATGGAA
314951 ATAGCCATAG ATAATATGCA AATGGCTGAA CAGGGCCATG TTCTAACACT
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FIGURE 3LLLL

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315001 TCATTTATAA AAACAGCTGG TGGGACAGAT TGTAGTTTGC CAAACCCTAC
315051 AGAGGGGGGT ACAGTCCCTG CCATGTGCCT CAAAGGTGCT GTTAGACTGT
315101 GTTCTAAACC TGAGATGTTT CTAGTTGTTT GAAGTAAAGG TGGAAAACTA
315151 CCATATTAAA ATTCAATTAC GGGCTGGGCA TGATGGCTAT AATCCCAGCA
315201 CTTTGGGAGG AGATCATAGT GACGCCACTT GAGGCCAGGA GTTCAAGACC
315251 AGCCTGGCCA ACATGGTGAA ACTGTGTCTC TACTAAAAGT ACAAAAATTA
315301 GCCAGGTGTG GTGGTGCATG CCTGTAATCA CAACTACTTG GGAGGTTGAG
315351 GCATGAGAAT CGCTTGAACC TAGGAGGTGG AGTTTGCAGT GAGCTGAGAT
315401 CATGCCACTG CACTCCAGCC TGGGCGACAG AGTGAAACCT TGTCTCAAAA
315451 AAAAAAAAAA AAAAAAAAAG GAGTTCCATT CCAAGAGGGC CAAATAGGAA
315501 CAGCTCTGGT CTGCAGCTCC CAGCATGATC GACACAGAAG ATGGGTGATT
315551 TCTGCGTTTC CAACTGGGGT GACTAGTTCA TCTCATTGGG ACTGGTTGGA
315601 CAGTGGGTGC AGCCCACGGA GAGTGAACTG AAATAGGGTG GGGCATTGCC
315651 TCACCCAGGA ACTGGAAGGG GTTGTGGGAT TTCCCTCTCC TAGCCAAGGG
315701 AAGCCATGAC AGACGGTACC TGGAATATCG CTACACTCCT GCCCAAATAC
315751 TGCGCTTTTC CCATGGTCTT AGCAACTGGC AGACAAGGAG ATTCTCTCCC
315801 GTGCCTGGCT TGGCAGATCC AACACCCACG GAGCCTTGCT TGCTGGTGAT
315851 GCAGCAGTTT GAGATCGACC TGCCGAGGCTG CAGCCTGGCA GGGGGAGGGG
315901 CATCCGCCAT TGCTGAAGCT TAAGTAGGTA AACAAAGTGG CCAGGAAGCT
315951 CAAACTGGGT GGAGCCCACT GCAGCTCAGG AAGGCCTACT GCCTCCATGT
316001 ACTGTACCTC TGTAGACAGG GCATAGCTGA ACAAAAGGCA GCAGTAACTT
316051 CTGCAGACTT AAACGTCCCT GTGTGACAGC TCTGAAGACA GCAGTGGTTC
316101 TCCCAGCACG GCATTTGAGC TCTGAGAACG GACAGACTGC CTCCTCAAGT
316151 GGGTCCCTGA CCCCCCATGTA GCCTAACTGG GAGACATCTC CCAGTAGGGG
316201 CTGACAGACA CCTCATACAG GCGGGTTTCC CTCTGCGATG AAGCTTCCAG
316251 AGGAAGGATC AGGCAGTAAT ATTTGCTGCT CGGCAGCCTC CGCTGGTGAT
316301 ACCCAGGCAA ACAGGGTCTG GAGTGGACCT CCAGCAAACT CCAACAGACC
316351 TGTTGCTTAG GGACCTGACT GTTAGAAGAA AAACTAACAA ACCAAAAGGA
316401 ATAGCATCAA CATCAACAGA AAGGACTTCC ACACAAAAAC CCCATCTGTA
316451 GGTCACCAAC ATCAAAGACC AAAGGTAGAT AAAACCACAA AGATGGGGAG
316501 AAACCAGAAC AGAAAAGCTG AAAATTCTAA AAACCAGAGC GCCTCTTCTC
316551 CTCCAAAGGA TCACAGCTCC TTGCCAGCAA CAGAACAAAG CTGGATGGAG
316601 AATGACTTTG ACGAGCTGAC AGAAGTGGGA TTCAGAAGGT CAATAATAAC
316651 AAACTTCTCC AAGCTAAAGA AGCGTGTTCT AACCCATTGC GAGGAAGCTA
316701 AAAAACCTTGA AAAAAGGTGA GACAAATGGC TAACTAGAAT AAACAGTGTA
316751 GAGAAGACCT TAAATGACCT GATGGAGCTG AAAACCATGG TATGAGAACT
316801 TCGTGACACA TGCACAAACT TCAGTAGCCA ATTCAATCAA GTGGAAGAAA
316851 GGATATCAGT GATTGAAGAT CAAATGAAAG AAATGAAGCG AGAAGAGAAG
316901 TTTAGAGAAA AAAGAGTAAA AAGAACAAAG CCTCCAAGAA ATATGGGACT
316951 ATGTGAAAAG ACCAAATCTA CATTTGATTG GTGTACCTGA AAGTCACGGG
317001 GAGAATGGAA CCAAGTTAGA AAAACACTCTT CAGGATATTA TCCAGGAGAA
317051 CTTCCCCAAC ATAGCAAGGC AGGCCAACAT TCAAATTCAG GAAATACAGA
317101 GAACACCACA AAGATACTCC TCAAGAAGAG CAACCCCAAG ACACATAATT
317151 CTCAGATTCA CCAAGGTTGA AATGAAGGAA AAAATGTTAA GGGTAGCCTG
317201 AGAGAAAGGT CAGATTACCC ACTAACGGAA GCCCATCAGA CTAACAGCCG
317251 CTCTCTCGGG CAGAAATCAT ACAAGCCAGA AGAGAGTGGG GGTCAAGATT
317301 CAACATTCTT AAAAGAATTT TCAACCCAGA ATTTGATATC CAGCCAAACT
317351 AAGCTTCATA AGTGAAGGAT AAATAAAATC CATTACAGAC AAGCAAATGC
317401 TGAGAGATTT TGTCACCACC AGGCCTGCCT TACAAGAGCT CCTGAAGGAA
317451 GCACTAAACA AGGAAAGGAA CAACCAGTAC CAGCCACTGC AAAAACATGC
317501 CAAATTGTAA AGACCATCGA TGCTTTGAAG AAACTGCATC AATTAACAGG
317551 CAAAATACCC ATCTAACATC ATAATGACAG GATTAAATTC ACACATAACA
317601 ATACTAACCT TAAATGTAAA TGGGCTAAAT GCGCCAATTA AAAGACACAG
317651 ACTGCCAAAT TGGATAGAGT CAAGACCCAT CAGTGTGCTG TATTCAGGAG
317701 ACCCATCTCA TGTACAGAGA CACATACAGG CTCAAAATAA AGGAATGGAG
317751 GAAGATCTCA CAAGCAAAAG GAAAGCAAGA AAAATCATAG GTTGCAATCC
317801 TAGTCTCTGA TAAAGCAGGC TTTAAACCAA CAAAGATCAA AAGAGACAAA
317851 GAAGGTCATT ACATAATGGT AAAGGGATCA ATTCAACAAG AAGAGCTAAC
317901 TATCCTAAAT ATATATGCAC CCAATACAGG AGCACCCAGA TTCATAAAGC
317951 AATCTGGGAG ACTTTAACAC ACCACTGTCA ATATTAGATC AACGTGACAG
318001 AAGTTTAACA AGGATATCCA GGACTTGAAC TCAGCTCTGC ACCAAGCAGA
318051 CTTAATAGAT ATCTACAGAA CTCTCCACCC CAAATCAACA GAATATACAT
318101 TCTTCTCAGC ACCACGTCGC AATTACTCTA AAATCGACCA CATAATTGGA
318151 AGTAAAGCAC TCCTCAGCAA ATGTAAAAAC AGGAATCACA ACAAACTCTC
318201 TCTCTGACCA CAGTGCAATG AAATTAGAAC TCAGGATTAA GAAACTCACT
318251 CAAAACCGCA CAACTACATG GAAACTGAAC AGAACAGCCT GCCCCTGAAT
318301 GACTACTGAG TAAATAACAA AATAAGGCAG AAATAAGGAT GTTGTTTGAA
318351 ACCAGTGAGA ACAAAGACAC AACGTACCAG AATCTCTGGG ACACATTTAA
318401 AGCAGTGTGT AGAGGGAAAT TTATAGCACT AAATGCCCAC AAGAGAAAGC
318451 AGGAAAGATC TAAAATTGAC ACCCTGACAT CACAATTAAA AGAACTAGAG
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FIGURE 3MMMM

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318501 AAGAAAGAGG AAACATACAA AAGCTAGCAG AAGGCAAGAA ATAACTAAGA
318551 TCAGAGCAGA ACTGAAGGAG ATAGACACAC ACAAAAAACC CTTCAAAAAA
318601 TCAATGAATC CAGGAGCTGG TTTTTTGAAA AGATCAACAA AATTGATAGA
318651 CTGCTAGCAA GACTAATAAA GAAGAAAAGG GAGAAGAATG AAATAGACGC
318701 AATAAAAAAT GATAAAGGGG ATATCACCAC CGATCCCACA GAAATACAAA
318751 CTACCATCAG AGAATACTAT AAACACCTTT ACTCAAATAA ACTAGAAAAT
318801 CTAGAAGAAA TGGATAAATT CCTGGACATA TACACCCTCC CAAGACTAAA
318851 CCAGGAAGAA GTTGAATCTC TGAATAGACC AATAACAGGT TCTGAAATTG
318901 AGGCAATAAT TAATAGCCTA CCAACCAAAA AAGTCCAGGA CCAGACAGAT
318951 TCACAGCCAA ATTCTACCAT AGGTACAAAG AGGAGCTGTT ACCATTCCTT
319001 CTGAAACTAT TCCAATCAAT AGAACAAGAA GGAATCCTCC CTAACTCATT
319051 TTATGAGGCC AGCATCATCC TAATACCAAA GCCTGGCAGA GACAAAACAA
319101 AAAAAGAGAA TTTTAGACCA ATATCCCTGA TGAACATCGA TGCGAGAATC
319151 CTCAATAAAA TACTGGCAAA CCGAATCCAG CAGCACATCC AAAAGCTTAT
319201 CCACTATGAT CAAGTCAGCT TCATCCCTGG GATGCAAGGC TGTTTCAACA
319251 TACGCAAATC AATAAATGTA ATCCATCACA TAAACAGAAC CAATGACAAA
319301 AACCACATGA TTATCTCAAT AGATGCAGAA AAGGCCTTCG AAAAAATTCA
319351 ACAGCCGTTC ATGCTAAAAA CTCTCAATAA ACTAGGTATT GATGGAAATA
319401 TCTCAAAATA ATAAGAGCTA TTTATGACAA ACCCACAGCC AATATCATAC
319451 TGAATGGGCA AAAACTGGAA GCGTTCCCTT TGAAAACCGG CAGAAGACAA
319501 GGATGCCCTC TCTCACCACT CCTACTCAAC ATAGTGTTAG AAGTTCTAGC
319551 CTGGGCAGTC AGGCAAGAGA AAGAAACAAA GGTTATTCAA TTTAGAAAAG
319601 CGGAAGTCAA ATTGTCCCTG TCTGCAGATG ACATGATTGT ATATTTAAAA
319651 ACCCCATCGT CTCAGCCCAA AATCTCCTTA TGCTGATAAG CAACTTCAGC
319701 AAAGTCTCAG GATACAAAAT CAATGTGCAA AAATCACAAG CATTCCTATA
319751 CACCAATAAC AGACAAACAG CCAAATTGTG AGTGAACTCC CATTCAACAAT
319801 TGCTACAAAG AAAATAAGAT ACCTAGGAAT CCAACTTACA AGGGATGGGA
319851 AGGACCTCTT CAAGGAGAAC TACAAGCCAC TGCTCAACAA AATAAAAGAG
319901 GACACAAACA AATGGAAGAT GGGAAGAATC AATATTGTGA AAATATCCAT
319951 ACTGCCCAAG GTAATGTACA GATTCAATGC TATCTCCATC AAGCTACCAA
320001 TGATTTTCTT CACAGAATTG GAAAAAACTA CTTTAAAATT CATATGAAAC
320051 CAAAAAGGAG CCCGCATAGC CAAGACAGTA CTAAGCAAAA ACAACAAAGC
320101 TGGAGGCATC ACACTACCTG ACTTCAAAGT ATACTACAAG GCTATAGTAA
320151 CCAAAACAGT ATGGTACTGG TACCAAAACA GATATGTAGA GAACAGAGGC
320201 CTCAGAAATA ACACCATGCA TCTACAACCA TCTGATCTTT GACAAACCTG
320251 ACAAAAACAA GAAGTGGGGA AAGGATTCCC TATTTAATAC ATGGTGCTGG
320301 GAAAACTGGC TAGCCATATG CAGAAAGCTG AAACTGGATC CCTTCCTTAC
320351 ACCTTATACA AAAATTAATT CAAGATGTAT TAAAGACTTA AATGTAAGAC
320401 CTAAAACCAT AAAAACCCTA GAAGAAAACG TAGGCAGTAC CATTCAGGAC
320451 ATAGGCCTAG TCAAGGACTT CATGACTGAA ACACCGAAAG AAATGGCAAC
320501 AAAAGCCAAA ATTGACAAAT GGGATCTAAT TAATCTAAAG AGCTTCTGCA
320551 CAGCGAAAGA AACTACCATC AGAGTGAATA GGCAACCTAC AGAAGGGGAG
320601 AAAATTTTTG CAATCTACCC ATCTGACAAA GGGCTAATAT CCAGAATCTA
320651 CAATGAACTC AAACAAATTT ACAAGAAAAA AAACAACCCC ATCAAAAAGT
320701 GGGCAAAAGG TATGAATAGA CATCCCTCAA AAGAAGACAT TTATGCAGCC
320751 AACAGACACA TGAAAAAATG CTCATCATCA CTGGCCATCA GAGAAATGCA
320801 AATCAAAACC ACAATGAGAT ACCATCTCAC ACCAGTTAGA ATGGTGATCA
320851 TTAAAAAGTT GGGAAACAAC AGATGCTGGA GAGGATGTGG AGAAGTAGGA
320901 ACGCCTTTAC ACTGTTGGTG GGAGTGTAAA TTAGTTCAAT CATTGTGGAA
320951 GACAGTGTGG TGATTCCTCA AGGATCTAGA ACTAGAAATA CCATTTGACC
321001 CAGCCATCCC ATTACTGGGT ATATACCCAA AGGATTATAA ATCATGCTGC
321051 TATAAAGACA CATGCACACG TATGTTTATT GCAGCACTAT TCACGATAGT
321101 AAAGACTTGG AACCAACCCA AATTTCCATC AGTGATAGAC TAGATTAAGA
321151 AAATGTGGCA CAGATACACC ATGGAATACT ATGCAGCCAT AAAAAAGGAT
321201 GAGTTCATGT CCTTTGTTGG GACATGGATG AAGCTGGGAA CCATCATTCT
321251 CAGCAAACTA TCAGAAGGAC AGAAAACCAA ACACCACATG TTCTCACTCA
321301 TAGGTGGGAA TTGAACAATG AGAACACTTG GACGCAGGGC AGGGAACATC
321351 ACACACTGGG GCCTGTCAGG TGGTGGGGGG CTGGGGGAGG GATAGCATTA
321401 GGAGACATAC CTAATGTAAA TGATGAGTTA ATGGGGGAAG CAAACCAACA
321451 TGGCTCATGT ATACCTATGT AATAAACCTG CACGTTGTGC ACATGTACCC
321501 TGTAATTAAA AAAAAAATTC AGTTACAACC AGGTGTGGTG GTTCACACCT
321551 GTAATCTGAG CAGGAGGATC ACTTGAGTCC TGGAGTTTAG ACCAGCCTGG
321601 GCACCGTAGG GAGACCCGTC TGTCCAAAAA AATAAAATTT AAATGTTAGC
321651 CAGATGTGGT AGCACACACC TGTGGTCCCA CCTATTCGGG AGGCTGAGGT
321701 GGGAGGACCG CTTGGACCCT GGAGGTCAAG TCTGTAGTGA GCCATGATCG
321751 CGCTACTGCA GTCCAGCATG GGCAACAGAG CAAGACCCCA TCTCAAATAA
321801 ATAAATAAAA CTCAGTAAGT AATAGAGCCA GAATTTTGAA CTATGAATAG
321851 GTAAGATTAA AAAAAAAGAC ATTATTTTGT AATGTCTTGT ATTATCAGAC
321901 AAGGTATCAG AGACAAGGAA AAAGAAAGGT GCACTGAACA GCCAAAGCAG
321951 GACTGACGGA ACTCAGAAAT GGGCTGGGAC CAGCCTGGGA GAAAGAAAC
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FIGURE 3NNNN

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322001 GCAAGGCAAA GAAAAGGATA AAACAGCCCT GCTGCACTCT GGTGGGACTG
322051 ATAAGAAATA GCTTCTGTAT CTTGGTATTT TGTACCTTAA AAAAAATTGA
322101 GGAGTGGCAG GAATAGAAAA CAGAAACAAT GTCTCTTTGG GGTGAGAGAC
322151 AGAAACACGC TGTTCCTCTC AGAGGATGTG GAAACATTGA TGACCTCTGC
322201 AAGTGCAGGC AGGCAGTATC CACAGCTCTG CATCACCACT CGGCGGTCACC
322251 ACTGTGCAAC CCATCAGTCC TGTGGTGCCC GTTCAAGTCA CATTGTATAA
322301 ATCTGTCCTA CGGCATCTGT ATCCTCACCA TCTAATAACT TTAGCACAGA
322351 ATATTGTTTA AGAATGATGG AGAGGGAAAA GAAGACTTTG AGTCAACAAA
322401 ACCTTTGTTT GTTTACATTT ACCATATCAT CCATTCTTTG TAGTATATAT
322451 CAGAAGACTT TCATTTTAGG TTTTTAAAAA TCGTTTATAT GTAATGAGTT
322501 AAAAACCTTA GTTATCCAGA AACATATTCT GAGCAACATG TTTTTGGTAC
322551 CACCTGCTGT CTTATATATT TCTTGTCTGC ATGCTTCTGT ATACCTAGTA
322601 GGTGTCTGTA GGCAGATCAC CTTACATTGT GATTTCTTTT AAATTGGGAA
322651 AAAATATATG TCCTTTGAAT ATCTTATGGT TCAGCAGGGG CATTAGAAAA
322701 TATAAACAAC TGTTGTGTGA TATGTGCAAA AGAAATGTGA ACAATGTTTA
322751 GGAGTAATAT AGAGAAGAAA ATGACAGTTT CTTTGTATAG AAATGATTTG
322801 AAAGAATAAC TAGGATTTTC CTGGAGTACA TGGCCTGGGA GTAGACAGGA
322851 CTGTTCAGAT AAAGAGATCA CTATTTATAA ATTAGAGAGG TGTGAAGAAT
322901 ATGCTCATAG CAATTTTAGG GGAAGTACAA GGAGTTCAGT ATTGGTAGAA
322951 AGTAAAGGGC CTGGAGGGGT CAAATAACAG GAGACGATGC TGGGAAAAGA
323001 AGCAGAGGAC AGGCCATTTG TCCCCACTGC CACTACTCCC TTACCCCCAT
323051 TAAGAACCCA TGGGTTTATA TATTTTTAAA TATCTTAAAA TATGTAAATA
323101 TCTAAGTAAG TTCTTCACTC CTATTCTATC TTATGGAGAC CCTTTTTAAA
323151 GAGTGAATTT TATAGAGACA TAGGGAAATGT TAGTTTGCAT TGTTTTCACT
323201 TTGCCCCTAT AGTTTTTTAA AAAGCAGATT CACTTTTTAC AAGAGGAAGA
323251 ATTTGGATTA GTGCTGGATA CATACTGTTT TGACTTGTAA AATGACTCTT
323301 TAATAGAAAT GGACAAAGAA AATATGCTAA TAAAATAACT TAAGTATGTG
323351 TATGTGTGTG CATGCTAAAT TTTTTTTTCT TCTGTTCTCT TCATTTTGTG
323401 CTCATCATCA ATTGCTGCTA TTTACTGTGG TGCATTTTTC CTGAACACCT
323451 GCTGTCAAAT GCATCAAGTC TTTTCTTGCA CAGTGCTACA GGTTTTTGCA
323501 GAACTGAGCA AGCCCAACAT TAGACAGATA GCCTAAAGAC TGATTGATTT
323551 ATTTGTTTTA ATACAAATAT ACGCTCACAT GTTGACATAC AGAAATCTGT
323601 TTCAAATGAA TTATTTTTTA AAGAACAAAG AACTTTATAA CCCTAGTACC
323651 TAATCCTATG CCTGACACAT AGTAGATACT CAGCAAATAT CTGTGGGACT
323701 GAACTGCTCT GTGAAGCCTA GCTAAGCACT AAAGACTCCC ACAACTTTTT
323751 CAGCTTTATG GGGAAGTGAT TATCTTAAAT AGTTTTAATG CAAATTGAAT
323801 TATTGTTTAA AAAGCATGTC CACCAGTTGA AAAGTCAAGT CATGGAACAT
323851 TGTTAAGATC CAGGTTTTAA TTTAGCAGAT ATTGTTCTCT TTGCAGAATA
323901 ATTACGAATC TATTTAAAAT AAATGCTTTT TTATCTTTAT CTCCCTTTGC
323951 ACAATGGAGT GGCATTGTCA AAAGGGGAAA GTGTCTAATA ATAAGTTGAA
324001 AACATTGTGC AGTTATACTT CAAAGACATC TCTTAAATTG TCCTGTTCAG
324051 GTTCACTGCC TCTGCTATTA TTCATGTTCT AATTTAGGGC CTCGAAATTG
324101 TATTAGTTGC CTAACTGGAA GTTGCACTTC GTTCCTGTGC TTCTTCCACA
324151 CTGCTGCCAG AATCATTTAC TTTCTTCAAC AGAAAATCAA GCCTGTCTCT
324201 TTCCTCATTA AAAACCTGCA ATTTGCTACG GACTGTGAGA TAAGGACCAA
324251 ACTCCTTGGC ATTACATACC ATATGTAATG TAATTATACC TGTGGATTTT
324301 TTTTCTCAAT CTACCTTCAT GTCCCCATGT TTCTAAGCAT CCTCTACCAG
324351 TGCTTCCCAA AATTTTTTCAT GACATGTCAC ACATGGAATA ATAACCAGAT
324401 GATACCACTG TCTGACTGCC TGAAGTCTCT GGCTTCTCTG AGCTTTCTGG
324451 CCCTTCTGAG ATCTGAAGGA AACAATATCT TAAGCATACC CTCTAATCCA
324501 TTCCCAGTAC AACCCACTGGG AAAGTCTGCC CTACATGTGA CCACAGTAAA
324551 CCTTTTCGCC TCCCAGGAAT GGTTTGTGCA CTGCTTTTCT TCTTTGCTTA
324601 TAATATTCAT TCTGCCTTTT CACAGTTTCT CAATCTGGTA AATTTCCCCT
324651 CCTTGTCATT TAAAGCCCGG CTCATTTGGA TTTGGGAAAT GTTTCTGGAA
324701 TTTTTTTAAG AATATGTGAA GCTCTTTGTT TCCAATTAAA GCCTTATCTT
324751 AAATCAATTA ATTTTGACTC TTAGAAATTC TCTTTCCATT TTCTGACCCA
324801 TTTGTAATAA CTTAATTTTA AGGTTACACC TACTGTACCA ATAATGATTT
324851 TGTTTTTAAA AATACAAATA AAAATCTCCC TTCCTTGGCT TTTTGGAAAC
324901 AGTTTCTTTC CCCCGTAAAT TATATTGCCC ATGGTTTCAT AAATACACAT
324951 CTCAAATGGG TTACTTATGT AAAGGGTGTG TGTGCTTACT TGCGTGCGTG
325001 TGTGTGTGTG TGTGTGTGTG TGTGTATCAC TACTACTAAT ACTAACATAA
325051 ATATATATAT CATTACTACC CACTTAGCTA TACTCTAAAG TTAAAAGATC
325101 TCAAAATACT TCTTGTGAAA AGGTTTACTA AGCCCAAAGT TCTAAGAGAA
325151 AAATTATGAA AATTGGTTTC CTTTGTTTAA CAGAGCCTAT TGCTTATTTT
325201 AAGGGTAATT GATCTTTTGT TTTGAGACAG GGTCTCACCC TGTCACTTAG
325251 GCTGGAGTGC AGTGGTGGAT GCCTCCCTAG GCCTCAACCT CCTGGGCTCA
325301 AGTGATCCTC CCACCTCAGC TGGGACTACA GGTGTGTGTA CCACCACACC
325351 CGGCTAATTT TTATGTTTGT TTGTTTGTTT GTTTGTTTGT TTTGTAGAGA
325401 TGGGGTTGCG CCATGTTGCC TAGGCTGGTC TCAAATGCCT GAGCTCAAGC
325451 GATCTGCCTG CCTTAGCCTC CCAAAGTGCT GGGATTACAG TTGTGTGTGT
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FIGURE 30000

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325501 GCCACTGTGC CTAGCCTGAT TGATTTTGAT CTCTAACACA TTCCTCTCAT
325551 AACTATTTCT GCTTTTCCAA AAAAGTTTTA TGTATGGGTT AGGTAAATGT
325601 TTCTGGTTTT ATCTCATTAA ATGATTGGCT TTTAGTATCA GCATGAATCA
325651 AGTATAATTT GACTCACCTC ATCCTTAAAT TCTTACTTAA TTTGGTAATT
325701 ATTGTGTATT TTATCATTTT CTACTAGTGT CTTAGCCTGT TGATCAAAGC
325751 TTGCTGCAGT TAGTTGTTTG CGTGTTGATC TTTCTCTACT TTTTAGTGTT
325801 CTTAAAGGTA AGGACCAAGT CATATGCTTC TGTATTTTCC TCACAGTGCT
325851 TTGCACAAAA AAAAAAAATT GTCTAGTAGG TGTCTTTTTA GTTACTTTTA
325901 AAGTATCTTG TGGGTAGTTA AGACTTTTTT ATTCAAATTT TATATAAAAT
325951 CTGTTTTTGT TTTCTGATGC CTGTTCAGCA GATGCTTACC CAGACTGAAG
326001 TAGTTTACAT TCTTTTTCAA TGTCCCAAAA GCTTAATTAG CAAATAATAT
326051 AATGCAGACT GCTCCTTGCA TAGGGCTCTCA TGGATTTTAC ATACTACTGC
326101 TTATTTTATT AGTCTCTAAA GTCATTCTTC TCCCAGTGTA ATTACACTTT
326151 TAAAAATTAC TAAATTGCAT AAGAGATATT ATGAAATCGT ATTCCTGGAA
326201 CATTGAGAAT TTCAAGCTTT AAAAGACAGC AGCTAAAGTC AAAGATACAG
326251 CAACATTTTC AAAAGTTAGC TTTGTACATC TCTTGGCTGA GTAATGTGCA
326301 CCCACACATG GAAAGATTTA ATATATACAG GAATGTTCTG GGCCTCTGTA
326351 AGAGCTGATC CCTCTATCAG GTTTCTGTGC AGACAAGCAT GTTTCTTCTA
326401 TCTATTAGGA AAGGGTTATG AATTGAGCAT TTCAGAGGCT ATGGTAAGAA
326451 GCAGGGAGAG AAGGGGGCAA GTAGAGAATT GCTAAATATC AATTCTTTTT
326501 AAATATTTGAG ATTTAGAAAT AAAAATCAAG AATCTGTATT TTGACTTGAC
326551 TTTTCAATCT ATTATTCTAA CCTCGTAGCT CATTGTTCCA TTTATTCAAA
326601 GAACATTAAC ATCTGCCATA TATTAGGAAT TCAGAGATTG CTAACATTGC
326651 CTATGTTCAA GGATCTCATA ATCAAGTACT GAGGATAATT ATACAAGAAG
326701 AGTAATCACT ATAAATAGCAT TTAATACTTA CTGAAGCATA CATGCCATAT
326751 GCCAAACACT GAGCTAAGCA CATTATATCA ATATAGATAT AAAAACACCT
326801 GCTGATTTGT CCAAACACAC AGCTAATAAG TTTTTGAGCT AGAATTTTCC
326851 TCCAGCTAAG CTGATTCTTT TGCCCTCACT TTTAACCTTG TATGCCAAAT
326901 TACAAGTTTA AAATTCATTT ATGTACTTGG AAGAGTCATA GAAGTTTCAA
326951 TAAAAGAGAA GACTTTTAAG CTGAGACTTG AACAAGAAGT GGAGCTTCCC
327001 TGATAGACAA AGAGATAAAA TGTCATTCTG AGCAGAGGGA GAAATATGTG
327051 CGAAAACAGG GAGGCAGAAA GCAGCGTGGT GAGTTTTACT AACTGGGTGT
327101 TTAGGTGCTC CTAAGCAAGT CCAAGTTCAA GTATAGCATT TCAAGTTTCT
327151 ATGATTTTAG TGTAACTCCT ATCTTATCTA CAGCTCCTTT TCTTTTCTCA
327201 CAGGGTGAGA AATGCTATAC TTGAACTTGG ACTTTTTTCT TTGATGTGCA
327251 ATTAAATGAT TAGAAAATAG GAAGTTAAGG TATTTGCAGT TAAAATGATC
327301 ACGTTAGCCA TGATGTAGAT AAAGCAAGGA AAAAGAAGGA AAGAATAAGA
327351 CTGCAGGCAG AAAAACAACT AGCACAGCAG TTATGATATT CTAGACAAAT
327401 GATTGTGTTG GCTTGATATC ACTGAGTAAA CATTTATTGG GTGCCTTATA
327451 TGTGCCATAG CTGAGCTTAC AGTGTTGAAT AAAATGAATA TGATTCCTGC
327501 CATTACATAC AGTCTACAAT CTGTTGGGAA AGACAGACAG TAAACAAACA
327551 CACAAATACA CAATAAAGAA GAATGGGTAG AAGTGACAGG TTTAAGAGAG
327601 ATTTAAGTAG TGTTAGCCAG GTCTATGCAT TAGTTGGATT TAGAGGAAGA
327651 AATAGATACC TAGAATAAAT CCAAGGTTTC TTTGAGATAA TTCAGAGCCG
327701 TTACCAAAGA TCCACCTTTC TCCCTGGTTT CTGGAACTAT TCTCTCCATG
327751 AATCATGATT CATTGATATG TTTTTATTAA AGTATAAAGG CTCAGTGCTG
327801 CTTTCCTTTC CTAGAGGAAG GCACTCCCTA TATACACATA CACACCCTTG
327851 TTGATTATTT TAAATGAATG GGAGCCAATG GGACCTGATT TTTCAAGGTG
327901 TCTATTTTAA TACTTTTGTC TGAACAAGTA TTTCTATGTT AATGAAATTA
327951 GATTTGAGCA TTTGATAGAA CATGAAACTA TAAGTGTTGA ATTTCAGAAT
328001 TTATAAAAAA GAAAAGGCAG CCTTATAATT GTGGTATAAG GTTTGATAGT
328051 TAAGACTCCT TCATGTGAAA TACCAGATGT TTTGAGTCCT TGATATAAAG
328101 GTCAGAAGAA AAGAAGGATA TTGGTTTCAT AATAAATTAA CATGTTTACA
328151 GTAATGACTA TGCAGTGTAA GCTGTGGATA TTTTGTTATA TAAGAATGGC
328201 AGGGGGTCCT AGAACTGGGG GCTGGAAGGC CCATTTAAAA GGTCATCTAA
328251 TACGATAATT TTTAGTCTGG AGCACACAAG CAGAGTTCAG GTGAACTCCC
328301 TGGAATTATT TGCAAAATTG GGAGTATTTT TCGTATGTAT AGTTTGAGGG
328351 GAATTTCTGT CAAATGCACA TAGGCACCTG TAATTAAAGA GCCGCCTTCA
328401 TTTTCACACA TGAGGAAACT GAGGCTGTTA CAGATGTAGA GACTTGCCCA
328451 AGGTCTTGAA TAACTTCTCA GAAAGGGAGT TTGTTCTATG ATTTGTGTTT
328501 TTTAATAAAG TTTTAATGGA CAGACCACGA TATCCAACAT GGCCTTGGAG
328551 CCATAGGGTT CAGAATATTA GAAAGCCTTG GCTTCTTTTT TCATTGAGTT
328601 GTCATATAGT GATTTTAATA ATATAGAAC ATGCTATTAT TCAGAATACA
328651 TTCTTCCACC CTAATATCCC AAAACAGTAT TTTTAAAGAA ATTCTAGGAA
328701 GGGTGTTTAC TCATTCAGAG TTCTACAGGA AGGAAGGCTC TTTCCTACTA
328751 TTTTTTAAGC ATAACTTTCA CTGACAAGAC CAGGCCAGAA AAAGCCTAGC
328801 TGGCTGTTGG CCCAGACAAT GTTATAATAA TCATTGAAGT ATACTCAACC
328851 TGCACTGCCT GAGGATAGCT ACAGCTAAAA AAAATAAATA AATAAGCACA
328901 CACAGATGTA TGCTGAGTGT TCCAGTGACT TAGCTGACAT GTATGCTGTA
328951 TATCCTTTGC TGTGTTCCTT CAACTATTAG AAAGGAAATT TTAAAAATAGC
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FIGURE 3PPPP

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329001 CTAGAATTTA TTATTCCAAT AGGGTGAAAA GGACAACTTC AACTTTAAAA
329051 AAATAACCAA GCTCTCCAAG GCTGTATCCC CAGCAAGTAA ATCAATCTGG
329101 CATATAGTAG ATGCTTAATA ATTTTTTTGA TGAGAGAATT GTTGAAGTTT
329151 GTTAGTTATA TTTCAGAAAG AGAATTTTGT TTGTTCATCA ATAATGAGTA
329201 TCATGTAGTG TCAAAATAGT AAAATTAAAA AGGACTGCTT CAACATTTAG
329251 AAACCCCAGA TTTCAGCGCA GTTTCTGTAA GTTATTGTAC GACCTTGGGC
329301 CTCATTTTCT TTGTCTTAAT AAGGATATAA TAATATCTAA TTCCCAAAAT
329351 TTGGGGGAAT ATTAAATGAG CTACAGTATG TGAAAGATGC TTCATAGATC
329401 CTTAAGTGCT ATATAAATAT TAATGTTATT TGTCTTAGAT AACATTTTCA
329451 ATTTTTTAAA TATGTATTTA CTGAAATCAT CTTTATTTCC TAAGTCCTGT
329501 ATTTGTTTTA GGTAGAAAGA AGTGATTTCC ATGATTGAAA TGGAGTTTTG
329551 AATTCTTTGA TAAAATACAT TTTAAGGTAT ACAGAATTGT CTGCAAAGAA
329601 TTAAAACACT CATTTTTAAG CAAGGGAAAT ATATTTATTT TATGATTTTC
329651 CTAATTGAAT TTTTGCCAGC TAATTTGTAC GTAAGTTAAG GATTGATTGA
329701 TATATATTTG ATAGACAATC ACCCTCTTCT AGGTATTATA ACATATACAA
329751 AAAGTATACA ACAGCATTTT CCAAAGTGGA AAGAAATAT TAGTTTTTGA
329801 GATGTTCCAT GATTAGAGTT TGGGAATTTA AAATAGAATT TTTACATACT
329851 ACCATAGGTT TCTCCTAGAT ATTTTTATTA CCCATTAATA TAATTTCCAA
329901 AAATTCCTTC ATATAGAAAC CTATACAAAC CTTTTATTTT GTTTCTACAC
329951 AGTGTTATCC AAATTTATTT AACAAGAAAA CCCTTTTTTC CATTACATTT
330001 GTTAACATTC ACTCGAGTAT TTTATAAAGC ACTGGTATGA GATATGATGA
330051 TATGACCCCA TGGATTTGAA CAGTCTGTTT GGAACTCTAA GTATGAACAT
330101 GGTGAAGTAC ATTAAAACAA AACAAAACAA ACAAAATAA AACAAATTAA
330151 CTATGAGATT GTGAAATGGT TGTAATATAT GTCACCAAAT TCATGGCTAA
330201 ATCATAGAAA TTGATCTGTC ACAGCTTGTT AAATAAGTAT TCTTTCTCTT
330251 ACATGACTTC TTACGTGATT TTTTCCAAAC TGCTTAGTCA AAGAAGATAA
330301 TCTTTCCAGA TAGAGAAAAT TTTAAAATAT CTTTATTCCT CTTTAAATTT
330351 ACTGATTTAT AAATACTGGG AGTCTAACAA ATGCAAGTTA CTACTCTTTA
330401 TTAATCCCTT TTATTTAGTT TCAGTTTACA CACAATAATT GTATCAACTT
330451 ATATGTACAA GTCAATTAAT TTAGACTTGT GTAAACCTGT GAAACCACCT
330501 CTGCAATTAA GGTGCAGAAC ATCCCCATCA CCCTCAAAAG ATTGCTTTTG
330551 CCCTTTTGCA GTCCATTTTT CCCTCTTCCT CAGGTTGCAG TCAACCACTA
330601 GTCTGCTTTT TGCTACTATA GATTAGATTG GACTTTGTAA ATATTTTATA
330651 TAAATGCAGT ATGTACTCTC TTATGTCTGT TCTATTTGAC TCAGCATGAT
330701 GAGACTCATG CACATTGTTG AGTGTTCAGT ATTTCCTTTC TATTGTTGAG
330751 TAGTATTCCA TTATATATTT TGACTATTCA CTCATAAGTT GGTAGACATT
330801 TGGGTTGTTT ACAATTTTAC TATTGTGAAT AAAGCTACTG TGGGCTGGGC
330851 ACAGTGACTC ACACCTGTAA TCTCAGCACT TTGGGAGGCC AAGGTGGGTG
330901 GATCACTTGG ACATGGGTGT TTGAGACCAG CCTGGGCAGC ATGGCAAGAC
330951 CCCATCTTTA CTGAAAATAC AAAAGAAATA GCTGGGGCTG GCACGGTGG
331001 CTCAAGCCTG TAATCCCAGC ACTTTGGGAG GCCGTGGCAG GCAGATCACC
331051 TGAGGTCTGG AGTTCAAGAC CAGCCTGGCC AGTATGGCAA AACCCCATCT
331101 CTACTAAAAA TACAAAAAAT TAGCCAGGCG TGGTGGTGGG CGCCTGTAAT
331151 CCCAGCTACT TGGGAGGCTG AGGCAGGAGA ATTGCTCGAA CCCAGGAGGC
331201 AGAGGTTGCA GTGAGCAAAG ACTGCACCAC TGCACTTCCA GCCTGGGCAA
331251 CAAGAGCGAA ACTCCACCTC AAAAAAAAA AAAAAATAGC TGGGCATGGT
331301 GGTGCATACC TGTGGTCCCA GCTACCTGGG AGGCTGAGAA GAGAGTATCA
331351 CTTGAGTGCA GGAGGTGGAG ATTGCAGTGA GCCAAGATCA CATCACTGCA
331401 CTCTAGCCTG GGTGACAGAG TGAGACTCTG TCTCAAAAAA ATAAAATTTG
331451 TGAACTTCCA TATACAAGTC TTTGTGTAGA TATGGGTTTT TTCTTCTTAG
331501 GTAACTACCT AGATTATTTC ACAATAATTG GGTTGTTATG ATGTGGTGGG
331551 TTTAACTTCT TAAGAAGCTG ACAAATAGCT TTCCAAAGTG GTTGTTCTAT
331601 TTTATATTCC CATTAAACAGT GTATGTAATT TCTAGTTGCT CCATGTCCTT
331651 GATCGGTCTT TGGTATTGTT AGTGTCTTTA ATTTTCATCA TTCTTATAAT
331701 GTAATGGTAT CTCATTGTGG CTTAAATTTG CATTGATCTG ATAACTAATG
331751 ATGTTAAGTA TCTTTTCACA TACTTACCTC ACAAGGAAG CTGTGTGGTT
331801 AGCAAGTATG TTCAAATTTT TAGTCCAGTT ACTTTGGATT ATTTTCTTAT
331851 TATTGAATTA TGAGGATTCT TTATATATTT TGGATACAAG CCCTTTGCAA
331901 ATATGCATAT TGTGAATATT TTATCCCAGT CTGTGACCTG TCTTTTCGTT
331951 TTCTTAAAGG TACCTTTTGA AGAGAAATTT TGTTTTGATT TTTGTAAAGA
332001 CCAGTTTGTC CATGTTTTTC TTTTATACTT CTAGAAGTTT TATAGTTTTA
332051 GCTCATAAAT TTCAAGTTTA TTTTTCAGTA TGGTGTGAGG TAAGGGTCAA
332101 TGTTCATTTT TTTCATATGG ATTTCTAGTA TTCACAGTAC CATTTCTTAA
332151 GATAATTTCC TTTTTGAGTG CCTTAAAATC AGTATGGACT TCCTTTTTCT
332201 ATTTTATTTA TCCGTATCTT TATCCTCTAG ATACTCTCAC ACTATCTTGT
332251 TTCTTAGCA TTATAAGTTT TGAAGTCAAG TAGTGTAAAT TTTTCCAATT
332301 TGTTCTTTTT AGAAGTTGCT AAAAGTTGCC ACATTGCCTC TGTAGATACA
332351 CACAGAGAGA GATTTAGACA CATACCTCTT TTTAACCACT TTGAGATAAT
332401 TCACATACCA TAAAATTCAC TATTTGAAAT ATTTAATTCA TTGATTTTTA
332451 GTATATTCAC ACATATGTAT AACCATCACC ATAGTCAATT GTACACATCT
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FIGURE 3QQQQ

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332501 TATTCATGCT TTCTCCTATT ACCAAGAGCA ATGTCTGGTA TGTAATACAT
332551 GCTCACCAAA TTTTTCTGAA TAAGTGAATC CATTAGTTGT TAAATAATGT
332601 AGGCATTAGC CTCTAGTAAA ATATTAAGAA GGCTCATTTG ACTGCATTCA
332651 GCTCTAGAAC TATTCTTTTA TTAGAACTCT GCTATTTTGA GGGATCTCTG
332701 AAACAGCTAA CAGCTTAACT CAGATATAGA TACAGATATA TATATATGGC
332751 TACAGATTTT TTTTTTTAAA TGGAGTCTTA TTCTGTCACC CAGACTGGAG
332801 TGCAGTAGTG CTATCTTGGT TTACTGCAAC CTCCGCCTCC TGGGCTCAAG
332851 TGATCCTCTC ACCTTAGCCT CCTGAGTGGC TGGGACTACA GGCATGCACC
332901 ACCGTGCCCA GCTAATTTTT GTATTTTTTT GTAGAGATGT CGTTTTGTCA
332951 TGTTGCCCAG GCTGGTCTCG AACTCCTGGA CTCAAGCAGT CTGCCCTCCT
333001 TGCCCTTCCA AAGTGCTGGG ATTGGCCGGG CACCGTGGCT CACGCCTGTA
333051 ATCCCAGCAC TCTGGGAGAC CAAGGCAGGC AGATCGAACG CCTGAGGTCA
333101 GGAGTTCGAG ACAAGCCTGG CCAACATGGT GAAACCCCGT CTCTACTAAA
333151 AATTAGCCAG GTGTGGTGGC ATGTGCCTGT AGTCCCAGCC ACTAGGGAGG
333201 CTGAGGCAGG AGAATCTTGC AGTGAGCTGA GACTGCGCCA CTGCACTCCA
333251 GCCTGGGTGG CAGAGTGAGA CTCTGTCTCA AAAAGAAAAA AAAAAAAACA
333301 CCAAGTGCTG GGATTATAGG CGTGAGCCAC CATACCTGTC CTTAAACCAT
333351 ATTTTAGTAG TTATTTAAGG AAGTTACAAA AAAAATTCCT TTTGATATAA
333401 TGAGTGCAAA TTATTTGCAC ATTTTTGAAA AGAGAATAGT CATCTTTTAT
333451 TCACCTGATA ATTGCTGAGA AGGGCAAACC TCCCATAAGT ACTGCTTTTC
333501 TTTTTTTTTT TTTTTTTTTT TTTTTGAGAC AGAGACCTCC TGCTCCACCC
333551 ACCTCAGCAT CCCAAAGTGC TGGGATTACA GGCGTGAGCC ACCGCGCCCA
333601 GCCTTCTATT TTCAAAAGTA CTCTTGACAT TGTTTGTATC GGTGACATAG
333651 ATTATGGAAT CTCTGGTACT TGTTTTATTT ACCAATTACG AATAATAGTG
333701 GATTGTTCGT GAAATTCCAG ACATCTTTCC CTAGGTATCT TTGAGATGGA
333751 ATGTCAGTTC TGAGCCCAGT TAATTCATGT TGCCTCATTT TCTTTATAGG
333801 CTTTGATGCG GCCTGGAAGA ATTGATAGAA TCATCTATGT GCCTTTACCG
333851 GATGCAGCAA CAAGAAGGGA AATATTTAAG CTGCAGTTTC ACTCCATGCC
333901 TGTCAGTAAT GAAGTTGACC TGGATGAACT CATCCTTCAA ACCGACGCAT
333951 ACTCAGGAGC AGAGGTAAGA TAGTTCCCTT CAAAATACCT TAGTGGGAGG
334001 AAAGCGGTGG CTCAGGGTCA TTAAGCAAAA TAAATTGCTT GCCCTGAGGT
334051 GTTTTAAATG ACCATACTAA GAAATCTTGA AACAGGAAGT GCAGTACATG
334101 ACATAGTCAC TAAGTTAAAT TGCACTTTAC GTGGCTTCTA TTATATCACA
334151 ATTGTTTTTT ACTTGCTCCT ATTATTTCTC AAAATGTAGT CTTCAGAGGA
334201 ATAGCATAAT ATAGTGAGAA GAACACTAGA CTAGAAGTAG ATTCTTCCAC
334251 TGGGCTTCTT AATACAGCAG TTTCTAACCA ATCACACACT TCTCTAACTT
334301 TGCGTTCTTT ACCCATCAAA TGGAAATGAT ACTACTACCT TCCCTCCTGT
334351 TTCCTCATGG AGAGCATAGA AATAAAATTA GGATATCATG AGTATAAAGG
334401 GCAAAGCAAA CAGATTGTAT CATTATCATC TTTTTGTCAT TTTGGCAAGT
334451 TATCTCAGTC TAATTTTGTA TTAAACATTC TCTCACAGTA AAAGGGACCA
334501 TCTGCCCTTA CCTCTGAAGA TAAACTCTTG ACAAGAACAG CAAGACCTCT
334551 GTGAAAATAT GAAAATGACT TTTATGTATG GCAGATTAAC ATTTTTTCTC
334601 TCCTTACCAA CTCTTTACTT ATGCTATTTT TATTTACCAA ATAAAATTCC
334651 ATGAAATAAT TCTGCAACTT TTCTAGCTGC ATTTCTTAAG GAAAGGACCA
334701 ACTATGTACC TCGACACAGA AATAGCATCT GTCACACCAA TGATGTAGAC
334751 TTTTAATGGG AGATTAATAT TTTTTTAAGT ACAAGGTTAC AGATTATTTT
334801 TATTCTGAAT TACTCAGTAG GCTAGGACTC CACATTCTGT TTTGCTTGCT
334851 ATTGTTTTCA TTCGTCTTAT GTAAACACCG AAGAGATTAC CATATGACAG
334901 ATCATTAGTG GTACTCCGAG AGTCTATTTG GAACTGAACT TAGTGTATCA
334951 TGCAGTCATA GCTAATAACA ACAACCAAAA TAAATCCCAG ATCTATTCAT
335001 TGTTTTGCCC CAAGAACCAT AGATATAGAT ATAGACAGTC CCCAACTTAT
335051 GACAGTTTGA CTTAAGATTT TGGGGCTTTA CAATGGTGCA AAAGTGGTAC
335101 ACACTCAGTA CACTCCTCAA CTTACAATAC AGCTACATCT GGATAAATCC
335151 ATCTTAAGTT GAAAATAACA AGTTGAAAAT ATCGTAAGTC AAAAACATAT
335201 ATGCATTTTT GACTTAGACA TATTCAACTG ATGATGGGTT TACCAGGACA
335251 TAGCCCCATC ATAAGTTGAG GAGTATTTGT ATTTGATTTT CCTCCTTTAT
335301 ATTTTTCAAG TCCACTGGAA TAAAAGCCA TGTGGAAAGT AGCTTGAGAA
335351 GCAGTTGAAG TGCGCTCACC TTTAACTCCT CTGAAACAGT GATCTTTATG
335401 ACCATCCATA AAGTTAAAAT GAACATACAG TTATGGTTAA CTGACTGCTC
335451 CAACATTTCT AGAATTCAGT TTTTGATTTG AGACGAGGGC TGGCATCTTG
335501 TATGATGATA TGGCAATTTG CAGGAAACAG CAAGAGGAAG ACGAAGAAAC
335551 CATAAATCTC TCACTTGAGC CGAGTAAACT AGAAGAGCAG TTAGCAAGAT
335601 ATAAATATGC CTTTCTCACT TTGAAGTAAT TCATGTGTAGT AACATCGAAG
335651 TGCAAAACAA AAATAAAACC CAGTGAGATT CTATCTGGCT AAAAGGAAAA
335701 AAACCTCATT TGGTGCCAGC AATTATTGTA CTGGCTTGCT AATTCTTATG
335751 TAGTGCACTT CTTATTTAAT CTAACATGTA AGCACATTTA TGATTAATTT
335801 TTATATGAGA TCTTCTGAAA ATCGTCACAG GAAAGTAGC AGAAAATTCT
335851 ATCTTTCCTC AAATTATATT TTTGTGTTCC ATAATGCTTG GATTGGGGAG
335901 GGCATCCCAT TGTGGTCCTA TTTATAATTA GTATATTATT ACAACTTCAT
335951 AGAAATTTTG CTAACAGCTA CATCTTAGTA GTTCTGTGGT TTCTAATTTA
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FIGURE 3RRRR

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336001 GATGAGGCAG GTTTGTTCCC TGTTGAGGGT TTTTGTTTTG TTTTGTTTTG
336051 GTCTGAATAG GTAGGCAGTT CACACAGTTG TTTTAGGAAA ATTATTATTT
336101 CTTTAAAAGT CTTAAAGTTA ATAAACAGGA GATTTAGGAG ACTTTAATTA
336151 ATGCTTAAGA TAAAAGGTTT CATTTCTCTC TCTCTGTTTC TCTGTCTTCA
336201 CACAGAACCT TCTACATGGT GTGTGTTTAA CAAGCACTTG ATAAACTGTG
336251 GGGAAAAAAG ATTTTTAAAT TAGATTTAGG AAAAATAGAC TTCAGTTCTC
336301 ATTTGTTACA AGAGGAGCCC TCTAACTCCC TGCTGTAGAC ACAGCCATTT
336351 TCTCAGAGTT GGAGTGTCTC TTTGGCCACT TTGGGTATAA AAATGAAACT
336401 ACTATCAATT TATTGTCCTC ACAAGAGAAT AGTATATTAT ATTCAAGATT
336451 ATATAAAATT AATTTTATTT AAGTGTATAC TATTAGCTAT ATGAACAAGA
336501 ATTTGGGCAG GAAAGCCAGA GACGAGGAAT TTCCTGGCAC TCTAATTGTT
336551 TTTTAGAAAC AAAATGTTGA AGTGTAGTGA GCATTTTTTA TTTTTAGTGA
336601 AAAAGTTGTA GAGGATGATT AAGATGGAAA TGATACTGGT ACTTTTTTTT
336651 TTTTTTTTTT TTTTTTTGAG ACAGAGTTTC GCCCTTGTAT CCCAGGCTGG
336701 AGTGCAGTGG CACGATCTTG GCTCACTGCA ACCTCCGCCT CCCGGGTTCA
336751 AGCAATTCTC CTGCCTCAGC CTCCCAAGTC GCTGGGATTA CAGGCACCCA
336801 CCACCACGCC CAGCTAATTT TTGTATTTTT ATTAGAGACA GGGTTTCACC
336851 ACATTGGCCA GGCTGGTCTT GAACTCCTGA CCTCAGGTGA TCCGCCCACC
336901 TTGGCCTCCC AAAGTGCTGG GATTACAGGC ATGAGCCTCT GTGCCCACCA
336951 CTGGTACTTT TAATGGCAGG GATGAGAAGA GGTTACTTTA AAAAATTATT
337001 TTCTTTTCAC TTGGTTATTT ATTTTGCCCA ATCAGCATTG TTCTATGAAA
337051 GCTTAGACCA GCTCAGTGTT TGAAATAGCT CCTTCTGGTC AAAGTTACTC
337101 CATTTTTCCT TCGTGGAGAG GGTATACAGA GAATTGAAAC ACTTTTGTAA
337151 GCCTCAGGAG GCTCTCAAGA GGAAGTCTGT CACCAGCTGG AAGGGGAATA
337201 CAGCCGTTAG GGAGCAGCCT CTGAGGGGAG ACTGAAGCAG GTTGCGTCTT
337251 TTAGCCATCT CTGCCACCTG CCACTCATTG TCCCTGTGGC TATGGCCCTC
337301 ATTGTCCTGG CTTCTTGACT GTAGCTGTCA GTTAATGAAA AAACATGTGC
337351 CATTTAAAAG CAGAAGGGAA TTTCTCTCAG GAGGAAGTAA GTCTTTTTGG
337401 TTATCACTAT TGTTTTCTTT TGCTCTGATT TTTGTTTTTT AAGTTATTTG
337451 TAGCAATTCC ACCTCATTTA TTCATTTATC TTTTATCAAA TTATCCTGGT
337501 TACTTTTGGA AGAGTTTTAT CTGTAACAGA AAATCAACTG TCACAAATAT
337551 ATTTACAAAA AAAAGCAATA ACTGGGCTCA TTACCCCATA TGCCCTATGC
337601 TTGGGAACAC AGGTGATGAG TAAGATGCAT AATTTCTTCT GTGTATCAGA
337651 ATTTGCTGAC ATAGGCCAAA GACTGATATC TGTAAAATTG GGGTTGAATT
337701 TTTATTTGAA TTTGGATATT ATCCTCCTTT CAGTGAATCC CTTGGGATCA
337751 CCAATTTGTG AGGGAGTCAG GCCCCTTCTTG GCCAGTTTGT AAATCTCCTC
337801 CCTTACATCT TCAGAGGCCA GCTTCAGCCA AGTGGGGACA CTGCAGTGAC
337851 AGGGAGGAGC CGATTGGGAC AGGGCCCTTCC TGGGAGCAGG CATGCAACTC
337901 ATGATGTGGC AGTCAGGAGC AAAAAAAACA CCTTCTTTTC TTTAAAATGT
337951 AAAAATTTGC TTACTATAGT GGTTTTTTTA TTGCAATCTT ATGAATGTAG
338001 CTCTAGAAGA TCTTTTTAAA GCAATTCATT AGAGTTAAAT ACATTTCACA
338051 CTGAGTTTTC AAAAAGCTTT AACTTCATGT AAACTTAGTC TGTTTGTTTT
338101 ATTTTTAAAT GATCTGTCAT GCCCTGAATT CTGTTTTGTA GTCTATGCCT
338151 TCCTGGGTCT AATAATAGCA CAAGATCTTC ATGCCAGCTT GACATTTAAA
338201 AAATCACCTT CTAGTTTGCC TCATTAATTC AAGAAGGGTC CTATTCACTA
338251 TGCTTGAGCT ATTATAGCTA ATAAAAGGAG AGCCTTAAAT TACTTTTCTG
338301 TCTCACTGAT TAACGTTTTT TCTGACATCT CTTTTTCTCC CACACAGTGA
338351 AAACAGAAGG AGCAATTATA GCCACTTAAA ATGTCTGTAC TCTTCTTATG
338401 TGAAATCTCT TGTGATAGTA TTCCCCAAAC TAAAATATCA GTCATTGTAT
338451 TAGAATCTGG CATAGATTGT TCATCTGACC AGTCAAACAA CACATGTGAG
338501 ATAGGAATAA GGATTCTAAG GAAGGACCAT TTGACCTGGT CTTAAGCGCT
338551 CTACTTATTA TTGTTAGAAA GCAGCTAGCA GCAGTGTACT TGTCTCCAAA
338601 GTGAAGACA GCAGCACAGT ACTTAGCACT CTCCTACAGA CCAGGGGGTCC
338651 CCAACCTCCT GGCCACGGAC CAGCACCAGT ACTGCATAGC ATGAGTGAGT
338701 GGCAGACAAG TGAGCATTAC TGCCTGAGTT CTGCCTCCTG TTAGATCAGC
338751 AGTGGCATTA GACTCTCATA GGAGCACGAA CCCTATTGTG AACTATGCGT
338801 GCGAGGGATC TAGGTTGTGT GCTCCCTATG AGAATCTAAC GCCTGAGAAC
338851 AGTTTCATTC CGAAACCATC CCCCCACCCC ATTTGTGGAA AAATTGTCTT
338901 CCACAAAACC AGTCCCTGGT CCCAAAAATG TTGGGGACTG CTGCTATGGA
338951 CTGTCTGCAA CCTACTTTTC CTGCCTAATC AGAAACTGCC CTATGAAAAC
339001 ATGCTGCTAT CACCAAGTAG TCTACTATAT TTGAGATCTT CTTTGCTATC
339051 TCTCTATTCT TCCTTGTGTC TTTACACTAA AATTCTGTAT CTGTGCCCCA
339101 GAATTTCAAA ATACTCAGTG CTCTGTATCT GCAAGTTCCA TCTGCAAATT
339151 CAACCAACTG GGAATAGAAA ATATCAGAAA AAAGCAACAA AAAATAACAA
339201 TACAACAACA AAAAGTACAA ATTTGAAAAT ATAGCATGAC AACTATATAG
339251 CATTTACATT ATGTCAGTTG TCATAAGTAA TCTAGAGATG ATGTATACAA
339301 GAGGATGTGC ACAGGTTATA TGCAAATACT ATGCCATTTT ATATAAGGGA
339351 CTTCAGCATC CTTGGATTTT GGTATCTAAG GGGCTCCTGG AACCAATTGC
339401 CCTTGGATAC CAAGGGACAA CTATATTCTT TCCTTACACG ACCTACTGAA
339451 ATAACTACTT TGTCATTAAA CCATAATGAC CACCCCACCA ATAAATAGCC
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FIGURE 3SSSS

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339501 TATTCTTTTG TACTCTTTTA CACTTATTTT TGTTTTCCTT GTTTAGCTGT
339551 TACCATATTT TGTAGTTATT TTATTTTTTT AGAGACAGGG TCTCATTCTA
339601 TTGCCCAGGC TGGAGTGCAG TGTCATGATC ATACCTTACT GCAACTTTGA
339651 ACTCCTGGGC TCAAGTGGTC CTCCTGCCCA AGCCTCCTGA GTAGCTCAGA
339701 ATAGAGGTGC ATGCCACTGT GCCCAGCTAA TTTTTTTAAA AAAATTTGTA
339751 GACATTGTCA TGTTGCCCAG CCTGGTCTTA AACTCCTGGC CTCAAGCAAT
339801 CCTCCTATCT CAGCCTCCTA AAGTGTTGGG ATTACAGGCC TGAGCCACTG
339851 TGTCTGGCCT CTGTAGTTAT TTTAATATGA GCAGCTGCCT CATCTCCCCA
339901 AACACAGATT CTCTAGGGCA GAGATCAGTT CTTGTACTTC TTAAAGTCTG
339951 GCAAAACAGC TGTCTCACAC ACACTCGGTG GGCATTAATA TTAGATGGGT
340001 GGTACATTTA TGTATTGATT CTAAGTCATT TTACCAACCA AAAATGTCAG
340051 TTTTAACATT TGCTGAAGTG GCACTTTCTA GTTTTAATCA TATTTTCATA
340101 TACATTATCT ATTTGAGTAC CCTAACTCTA TGAGAGCAGT GCTGTAGCGA
340151 AAGAACTAAA GTCAAGCAAA AGAAATTGGC TTGTCTGAGA TCCCACAGCA
340201 AATAAGTGAC AAACCTGGGA CCAGAAACCA GGTCTCTCAG TTCCACTTGA
340251 AGGACTCCAC GATCTCCTAA TGCCTCTGTG TCAACACAAC GTTCTTTGAA
340301 ACTTTTCATAG TTCCCTTTGA CGTCTCTGAA TATTTGATAA AAGTTTGTCA
340351 ATTCCTGTGA ATAGTGACTT AGCAAACTAA ACAGCAGTTA TGAAACATCT
340401 GTACCATTTT TATACCTTTT TCTCTTACAG TAATTGTCTT TACCTACCTT
340451 GTTTTCATCT TCTCCAAAAA AGTATAAGCT ACCTAAAGTT AGGAACCTTG
340501 TTTTTATCAA TTAATTTCTT TTATTTCCTA GGTATTGTGA ATAATGTTTG
340551 CAATTTAGAA TGAAAAGTAT AAACAACGAA GTTTTATATA ATGTATTTAT
340601 GTGGCATGAT CTACTGATGT GCAGAATGCT ATAGGAGAAA GGAGGAGGAG
340651 TAACTCACAC TACCTGGGAT TAAATGAGAT AGATGATACC CAGAAGAATT
340701 TTTTTCTGAG TTTTGATGGG CAGATGGAAA GGCAGAGATG AATGAAAGAA
340751 CATGGTGTGTGG TCTAAAATCA GTTAAAGTTT GAATATGATT GGCAGAAAGA
340801 GTCTTCATGT AGAAGTAGTA GGGGATGAAG CAGAAAAAGT AGGTCAGACT
340851 TAAATATGAA GGAACTTGAA TATCATCCGA ACTTGCTTTT CTCCTTTCAG
340901 CAATGGAAAA CCATTGAAAA ATGTGATCAC TGTTGTGGTC AGATTTGTAT
340951 TATTGAAAGA TTTGTGGCAT TTGTGTCCAA AGCCACCACT AGCTAGCCTT
341001 CCAAGCACCA TTACACGAAT TAGAAAAAGG TGTTCCTTCA CCCCACTTGG
341051 TGACAGCTTT TTGTTACAGC AAAAAGCTTG TCAGAGCATG AGCAACATTT
341101 CAGCCCCTAT TTGCCCCCCT TGGCTGGGCA CCCTTTTGTA GATACAAGCT
341151 TTACATCTGT ACAAGGTGTC TTATTTTTGT CTTCTCCACC TTTATCTCCC
341201 TCACAATGCC TAGCATAGCA CCTTATATAG AGTTATTGTC ATTAAATAAA
341251 CAAATGGAGA CTTTACATCT CAAATATATA AACTACTTTC TGTAACTTTA
341301 ACATTTACCT CATGAGCCCT TGGATAAAAA TAAATTGGGA CTATTAAAGA
341351 TGTCTTTTGT AGAAGATACA GAAATGGCCA ACAAACATGA AAAAATAGCA
341401 TCACTAATGA TCAGGAAAAT GCAAATCAAA ACCACAGTGC AATACCACTT
341451 TATTCCTATA AGAATAGCCA TAATCAAAAA ATCAAAAAAT AATAGATGTT
341501 GGCGTGGATG TGCTAAAAAG GGGACATCGT TACACTGCTG GTGGGAATGT
341551 AAACTAGTAC AATCACTATG GAAAACAGTG TAGAGATTCC TTAAAGAACT
341601 AAAAGTAGAA CTACCATTTG ATCCAGCAAT CCCACTGCTA GTATCTACCC
341651 AGAGGAAATA AGTCATTATA TGAAAAAGAT ACTTACACAT GCATGTTTAT
341701 AGCAGCACAA TTCACAATTA CAAAAATATG GAACCAGCCC AAATGCCCAT
341751 CAATCAACAA GTGGATACAG AAATTGTGGC ATATATATAC ACCATGGAAT
341801 ACTACTTAGC CATAAAAAGG AACGAAATAA TGGCATTCGC AGCAACCTGG
341851 ATGGAATTGG CAACCATTAT TCTAAGTGAA GTAACTCAGA AACAGAAACC
341901 CAAACATCTT ATGTTCTTAC TCATAAGTGG GAGCAAAGCT ATGAGTATGC
341951 AAAGGCATAA GAATGATACA GTGGACTCTG GGGACTTGGG GGAAAGGGTG
342001 TGAGGGGAGT GAGGGATAAA AGACTACACA TTGGGTACAG TGTACACTGC
342051 TTGGGTGATG AGTGCACCAA AATCTCAGAA ATCACCACTA AAGAACTTAT
342101 CTATGTAACC AAACACCATG TGTTCCCCAA AAACCTATTG AAATAAAAAA
342151 TGAAAATAAT AATAAAAGGT CTTTTGTGCA AACTTTAACC TGCCATGAGG
342201 TACAGCACTT GTTGTAAATT GCTAGAATAT TAAAAGTAAG GTGGATTATA
342251 TCCTCTGAGC CATATTATGT AACTTTGAAT ATAAACTCTA AGGACAAAAG
342301 CACAACCTCT GCACCTGTTT AGTGGCTAAA ATATGGCTCT CTGTTGTAAA
342351 TGAATTATGA AGGGATCTTT CAGAGCAAAA ATCAGCATGT GCTAAAAGTA
342401 GATATTTAGG ACTGTAACTT TTGAGCTAGT CCTGTACCAC TCCCCTTTTC
342451 CCTTCTTCAG CATTTTATGA TCTACATGCT AAGTGAAGAA ATTTGGTAAA
342501 AGCCAAGACC CATCATGGCC ACCTAGAACA ATATGAGTTT AGCCAAATCA
342551 TTTATCATTT GTAGAACTCA CTTTCATCTT GTAATAAGGG GATAGGAAGA
342601 TGGTCTTTTT ATAATCCTTT CAAGTGTTAA AAATCTGTGT GGTTATATAC
342651 CTGTCATAAA TTAAATTAAT TGTATAAGGA ATCCCTTAGG GATTGGACCT
342701 CCAGGGATAT GTAGTATGGT TATGCTTCTC TTACAGTCTG TCCAGAAAGC
342751 TGGGATCTTG GGATCTTAGT CAATGCCTCT AAATATTTTC TTCTGTGGCC
342801 AAAAGATATT AATTATGGCA CCAGAAGAAT GGGGACCTTA AATGACTCTG
342851 ACAGTGCACA GAACTTGGAT TTTAATAAAA TTCTCCTTAG CAAACTTTAA
342901 CAGTTTTCCA CTAAGTAGAA AAGAAAATTT TACATGCTCA GAGAGTTGAA
342951 GGCCTAGTGA TTTTTTTACC CTGAGATCTT TGGTTGTTAT GCTTTTCAAC
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FIGURE 3TTTT

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343001 TTCCTTAAGA ACAGCTAATC AAGTTCACTA TCTATGATTT TGGGGATACT
343051 TGGATAAAAA GCGTTATAGA ATGGAAATAT ACAGCAGCCG ACTTTTTCCT
343101 TAAACTCTTT GTTGGGAAAA TAAATGAAGG TTGCAAAATT ATAATATTGT
343151 TCATTTTAAC TTAACAATTT TTAAAACTTC AATGTATGGA GATACAATGT
343201 ACTTACAGTG TATGGAGATT CTCTGTATTT CCAAACTTCA CCTTCTGCTT
343251 AAATTGGCAA CAAAAGTACA TTCAGCTTAC CTGAAGGCTA TTTTAGATAG
343301 GATGTTTACA CCAAAGCTAA TCATACTCCA GAACACCTTG TGCTGCCATA
343351 CCTGTATTGC TAACTCTATG CCAGGTATTT AAAAGTGCTG TGAGTTTACA
343401 AGAAGTATTA GTCAGAAAGG AAATGGATAT GAATGAGAGG CTGGTTAGCA
343451 ACAAACTTAA TAGAACTTTT TACACCCAAA CATGGAAGCC TTTTTATAGG
343501 GAAGAAGTAT ATCCAGTGAA CAAGTTAGTC AGGACCTACC AGATAATCTA
343551 GTCCCCAAGG CTGATATCCA GAGTAAATCT GTATCTGTGG AGAATTACTC
343601 AAGCCAATGA TAATGCCGAT TTGAGCATTT TAACATTCCA CCTTATTTCT
343651 CTTCTTCCAA ATTCTCAGTC TCTCTATTTC CTCATTCTTT TTCTCCAATA
343701 TTTTATATAA ACCATTTAAT CTGTGCTTCC TCATCTTCAG AAGAGTGATA
343751 AAATGGAGGT GGGGGTTAGG TTCTGTTAAC CTGAAGGAGG CTTATGATGT
343801 TAAAAAGAG ATGTGCAAAG CATGCTGTTA ACTCTGTAGC ATAGATTCTG
343851 ATAGTGACAG TTATTTTTGT TTGGTTATTT GAAGTGATGG AAGGCTGATT
343901 TCTAATAACA ACCTAATCTG TATATGAAAA GATACACATG TAAAAGCTGT
343951 TTCTCCTTTT AGGAACTCTT TTTACTATAT GAAATTGAAT TATGGTTAAG
344001 TACCCTGGGT TATGGAATGA GAAAGCTGTG AACCCAAATG CCAAGTCTTC
344051 CATTTCCTAG CTATGTGACC TTTTTATTCA TATGTAAATA AGGATAAGAG
344101 AGGTCCTTAA CTTCACAGTT GTCCAGATTA GATGACATAA TTTATATAAG
344151 GTGCTTATCC TAGTAAGCAT ATAACAAGTG CTCAGTAAAT AAATTTTGTT
344201 ATAATCAGCA AATTTAATTT GATATCTAGT TTAAAAAATC TACAATTTGC
344251 CTAATTTTTT CACATTGTGT TGCCATAGAT TTTATGAATA CTCATAATAA
344301 ATGTTTCATG TATATGTCTT GTTTTTAGTT TTAATGGTGT GTTCTTTAAA
344351 CTATATTTCA TAGTTTACAT GCAGCATTTA TTTCATCTGA TTTATATTTA
344401 TAAACATCTG TAATCCTATT TTTATTTTTT CCTTGTTAAA GATGTATACT
344451 ATTTTTTACT TTTCAAATGT GTAAAGCTAA TGTTTTACAC TTTCAAATGT
344501 GTAAAGCTAA TGTTTTTTTA TAAACTCCCT GTGTAATATC CCTATTTCGG
344551 CATATTCTTT AGTTAATTGC TACTTTCTCA CCTATAGCTT ATTCCTAACT
344601 TTTTTTACAT GTCTTGTTAA TTAAAAAGAA AAAAATAGTA ACCCAACTTT
344651 AGAAAGTTGA GGGTTTCTGT GTCCACTAGA ATAATTGTTT AGGAAATAAG
344701 CATACCTCAT TATTTTGCTC TTTCTTTGAA GTTAGGATTG GACCCCCAGTG
344751 TTTAGGTAAT AAGGCTGAGA AGTCTAATGC TGAGGACAGT AGCACCACAT
344801 ATCTGTTATT CAGTGTATGA AAGACACAAT TGACATGTTC TCGTTCTTCA
344851 TCCCCAAATG ACCATAATTC TGAGAAGAGT TCTGAAAGAA GTCATTCTAT
344901 TAGAATGTTA TTAAACTTTA TAAAATGGTT GTTCAGAGCT GCAATGCAGT
344951 GGTTACCTTG TTCTTAAGGA AACCCTCCAC TAGTTTTTGG AAACTGAAGA
345001 ACAGAATTTA ACCATGCCTT AGACTGACTA GAAAGAAAAG TAGAAAGAAT
345051 TTAGATTCAT AGGGTTTTCT CTTTTTATTT TATTTGTGTT TCAAATTTCC
345101 AAAGATTATT TCTGATGTTC TTTAATAATA GCTCACTCCC TATTTACTAT
345151 TAAATTCTGG AAATGGGTT TTGCTTTTAT ATTTATAGCA AAGTTTCCCT
345201 GTTTAGGAGC AAAAGAACTT TAGGTATAGT AAACATGCTA CTTTACCATT
345251 GTGGAAGTTC CACATCATAA ATTAGATATT TTCCCTTTTC CTTCAAAATG
345301 AAGTCACACT ACTTTTGGCA CTTGGACAGG ACAATCTTTC AGTGACAGCA
345351 AAATTAGCCT TTTGGCATAT TTTTATTCAC TTTGAAAGAA TCCTTAAGGA
345401 GCGGTTTTAT GATTGAAAGC AAGAATTGTA TTTACTTTGC CTAGGGTAAA
345451 TTTCTTGCCT GAATATGTAA AAGAACGTAA GTCAAACACT GTTAGATAAA
345501 AACAAATTAG TATCAAAAGA TTTCATTATA ATAACTTGTC TATATTTTAT
345551 GACATAAAAT AGTATATAAC TAAGTTCTGT ATTATTTTGA ACTTTTATTT
345601 CTGCTACTAC AGTAGTGATA CATCTTGAGG AACTCCAAGG GGCCTAAACA
345651 TAAGTTTACA CAGGTATTTG AAGAATCAGT TGACTCACTA TCTGAACTGA
345701 GTATGTCTGT AAAGCTATGT TTAAATATAT CCCTATATTT AAACTGATCA
345751 TGGCTTATAA GCTAATCACC CATGAAGAGT GTATGTTGTC TTTCTTAATG
345801 CCAGTATGTT AGACAATCAA TATATAATTT ATGTTTATAT TAATAGACAC
345851 ACACAGTTTC CAATTGGTAT TTCGATGCCT CTTTCCTAAA TATGAATTGA
345901 AAACTAAGGA CCACTAATAT TTGAAAAAAG CTAAAAATAG ACAGTCTAAA
345951 ACAAGCACAG GGAGGATAGA CATAATTAGG GAGCAGATGA AAAGAGAGAC
346001 AAGAATAATA TGGCCACAAA ACAAGCACCA GAAGCTCTAA AATAGAAGGC
346051 TCAATTGTTC CTTAATTGAA AATGTAAAAC ATTCAGGTAG AAATAAAAAA
346101 TAAATGGAAG AATTGGATGA TCAAGTTGCA AGTCTCCCAG AAAGTCAAAC
346151 AAAAAGACAA AGAGATGAGA ATTGTAGACA TGGTAACATC TGACTAATAG
346201 AGGTCTCAGA AGGAACAAAG AAATCAGAAG AGAGAAAACT ATCAAGACTT
346251 CTTTCCAAGA TTTGAACATT AAATTTCTAG ATTGAAAGCC TCTACCAAGT
346301 GTCTGGCCTC AAACCATCAC ATTCAAAGGA CTAAAAATTT GGAGTGCCAC
346351 AAATTTATCA ACAGCAGAAG CTGTACGACA GGAGAGCTAT TCTTGAAATT
346401 TCTGAGGGGA AATTATTTCC AACCTAGAGT TCTATATCTA GCCAAACCAT
346451 GAAATCATAT GTGAAGATGG AATAAATTCA TTTTAGACAT GCAAGACCTA
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FIGURE 3UUUU

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346501 AAACATGTTT ATCTTCATGC ATGTCTTTTT AGGAAGTTAC TAGTAAATGT
346551 GTTCCACCAA AAAAACAAGG AAAAAACATG GGATCCAGGA AGCAGGTCGT
346601 TCAGCACATG AGAATAGTGA AGAGAATTCC CAGAGCAATA AAGAGAAATC
346651 CTGGAAAAGA TATTTTTAAG CTTTTCTATA AATCTGGCAA GGAAATTCAT
346701 TCTTATCAAG TTGTCACTAT TTGACTCTAT TTTTCAATTG AGAATAAATA
346751 ATAAGAAAGA CTAGTAGGTG AAAATTGAAT CAGCCACACT GGGAATTATA
346801 AAAGCAAAGT ATTGTCTGAA GAAACCATCA TATATTCTTT TCACCTCTTT
346851 ATTCCAATCC AGAACTGTTT CTCCATGAAA GCTTTATTTT AGAATTCAGT
346901 GTTACTGTTT TCTATAATTT TTAAAACTTC AAATGTGTAG TTCCTGAAAT
346951 ACTTTAATAG CAGAATCTTT CCCCTCCATC AAATAAAGCC GTATGTGGGA
347001 AGCCTATTAT ATTGGATCTA CTTTGGTGGG GTCCCTGTCC TGCATGCCTC
347051 TTCCTCCTGC CCGGGCATGC TGCATCCTGT GAGGCACCTT GGAGATTCCA
347101 CAGAGCAGTT TAAAAACTGT TACTGTAGCA AAAACACTGC TGAACACATG
347151 GCTTCATTCT TATTTCTCAG AAACATAACA TGAGTACCCA TTAGTTTCAT
347201 GAACTCACAG AAACAAAACA TTCTTGTGAC ATGGCTTACA TAGTGGGTTG
347251 TATACCTGTG TATCTGTGAA ATGAACACTA AAAGTCCATC TTGACAAGTT
347301 TGCACCTATC TGAATATATT AGTTTCCTTT TAAATGAAAA GTCATTGCCT
347351 TGGTTTCAAA TAAAAATTGG AACCTCTAGT TTTTACATTC CTGACATTTT
347401 AAAGTTTGAA ATTAGTAACT CATGTTTCTT TTCCCTTGTA AGTATGAGCT
347451 GAGACAAACA TGAAGCACCA AAATAGCACT GTACTTTGGG TGGGGGAACC
347501 TGCATTTCAA CTGCTCCTTG TAATACATCC TTCGTCCCCC TTAATGCAGT
347551 CTTTTCTTTT TCCGATGTCA CCTTTGTAAA AGAAGCTGTT CAAAGATGTA
347601 TAGTTTGTTT TGTTTTGTTG AGATGGAGTC TCGCTCTGTC GCCAAGCTGG
347651 AGTGCAGTGG CACCATCTCG GCTCACTGCA ACCTCTGCCT CCCGGGTTCA
347701 AGCGATTCTT CTGCCTCAGC CTCCCGGAGTG GCTGGGACTA CATATGCCCG
347751 CCACCACGCC CGGCTAATTA TTTGTATTTT AGTAGAGATG TGGTTTCACC
347801 ATGTTGGCCA GGGTGGTCTC GATCTGCTGA TCTCGTGATC TGCCCGCCTC
347851 GGCCTCCCAA AGTTCTGAGA TTACAGGCGT GAGCCACCAC ACCCAGCCAG
347901 ATTTATAGTT TTAAATAACT TTCCAGATAT AATCTTTTCT GGTAAATAAA
347951 ACTAAGAGAT AGGGCTAAAG GACAAAAACA GACTAACAAT ACTACAGGAA
348001 TTTGACTTTT TATGTAGTTG GTCATTATGG GATGTCTGTC ACATCAGAAT
348051 TGAATCTTCC TGTGCACCAT GAAAATGTAA AAGATAAAT AGTAGAGCAT
348101 GACAATAACT ATTTAGTCTG AAAAATGATT TATCATTGGT GGATATTTAA
348151 AAAATGCCAA CTCTGTGGCC TTTACTACAT GTATACCTTC TGTGTGGGAAG
348201 GGTACTCCCT AACTGAACAT TTTGTGAATT GATTAATGTT TAATATTGAT
348251 TTGCAAGGCT TAGAAATGTA ATGAAGAAAT AGCTATAAAC CTTGTGTGCT
348301 TTGTGCATCA AGGAATTTAG GTGCATGTTG CTTTCCCATT TACTTATTCT
348351 TTTTAGGTTC TTCAGCGAAA TAATGCAAAA AACATAGCTC ATGGAATTAA
348401 AGAGGAATAC TTAAGCAGGA AAAAAAATAA AGATTTTAAA AAGAAAGAGG
348451 AATATAACAT CTTAAAAACC TCACCTTTTA TATCCTTACT TATAATTTTA
348501 AGAATTGAAA CCTTGAGCAA GTGCCTATCT TGGCAGGCAA ATTATTTGAC
348551 ATAAAGTTTG ATCAAAGTAC AATTAGAAGA AAACTCAGAA TCATAGCTGG
348601 AAATGTTATT ATCTTCTTAG GTTCAACCTA AAAAGCCAGT GTACATACAG
348651 GTTAGCATTT CAAACTCAAA GGATTTGTTT TCATCTTAAA GACGATGAAA
348701 GGCCAGCTAC GTTTAGAAAT CAACAGCAAT CCATCATTTT TATCCCTCAG
348751 TCATTCTCTA AGGGTATTTT TTGTGACACC TATGAAGAAG CAAAGCCATG
348801 AAGGTATATC ATATATGCCA AATTTTCACT ACTGATGATG CCATTGTAGA
348851 CAACTGCAGA ACAATGCTGG AGACTGAATA TAGCAAGAAC AATGCTAGAG
348901 AGTGAATATA GCACTCCAGA AAAGCCTCTC ACTTAGGTGC CAAGTTCAAG
348951 GCCAAAGAAT TACTTAGATA TTCTCAGGGA AAACTTGGTT ATGTACAATA
349001 TCATGAACAT ATAAACTTCC CCCTTCATGC TCATTTGCCG TTTACCAAAG
349051 ATAAATTGTG ATTTCCCAAC TTTGTAAGAA AATAATAGTT GGAATGGCTT
349101 GAGGATGTTC TTCTATGCTT TTTTGCCATC TTCTGGTTCT TTTCACTTGT
349151 GAAAACAGTA TCAATCTGTT GGGGTTTTTT CGTTTTGTTT TAATTAGATG
349201 AGGATCATTT TATTATCAAG AATTGAAGGC TTCTGTGAAT TTCTGCCAGC
349251 AGGGTGATAG CTGCCAGCAG TGCACAGCTT TGGTGTGAGG TAGTAGGGAT
349301 TCCATGTGGA TATTGTCCCT AGACTAAGGG AAAGCCCCAT TGCTGTGGCT
349351 TGTTCGGTGA TTCTGCCTGC CAGCCCCATT TTATGTAGCT TATCATGCAT
349401 GGTTCATGGC TTGTAGGATG TTTATTCCTC TGGGTTAAGT TTTCCTCTTG
349451 TTCTTCTTTG GTTTCTAGCT GACTTACTTG TGAGAGCAGA AAATTACCTG
349501 GGTGCTTGAG ACCCATTGTT CACGTGATGG AACTGTGATG CACATACATT
349551 TGAATACATT TAAGTTTTTT ATTTGCCGTT TGTAACTTAC ACTGGAAAGC
349601 TACCCTGGTC CTACAGTTAA AATTTTCCCC TGAGTATTAT TCCTAATATG
349651 TTTTTTTTTT CATGCCCCAA AATGATGTTT ATAATTCACA TTTTCTCACT
349701 GGCACATGAG TAAGATTTAC TTACGCTGGT TTTGAAAGGT TTAGAATAAT
349751 CAGTATTTCA CTTGCTAAGA CTTGAAACAT TAACAATAAT ACACTGTAAT
349801 ACACAGTGAA ATTCTTTGAG GAAAAGACAC CAATGATCTT TCCTATTAAC
349851 TTATAAATGC TTCCACTGAT CAGCAAAGGT AGTTCAAAAT TTCATCACTC
349901 AGTCCTGATG CTCAGATAAT ACCAGAGTAG TCAGGGTGAC ACTGTTGTGC
349951 TTCTGACTGG TAGAAAATGT TTTGCTTTCC ATTTTTTCAAA GACAGTTGTT
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FIGURE 3VVVV

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350001 GACAGATAAT CCATTCTCTT TGTGTATGTA TGTATGTAAT GAAAATAGCC
350051 ACCGTGAGCT CAGTAAACCC CTCCTTACTA AATGTACACA AAAGTCCATT
350101 TTCAGGTGTT TGTTATTTGT GAAACTTGGT TATGTACAAT ATCATGAACA
350151 TATAAACTTC CCCCTTCATG CTCATTTGCT GTTACCAAT ATGATTCCCC
350201 TTGAGACTCC AGCATTAGGT GCTATATGGC TGTACAAATT GGTTTGGGAT
350251 TGCTTTGCTT ACAGTCATCT CACCTCAGAA CCCCACTTAG CAGTTTCTAT
350301 GATTCTCAGG GAAAGTGCTT CAGCAGAAGT AGACCTTTAG GAATTAGAGA
350351 CAAGTTACAA CCAAAGGAGG GACATTCACC TGCAGAAGCT TATAAAAGCA
350401 CATGAGATAC AGGCATCGTA GCCTACTCAG ATTGACATCT ACTTGCAGAT
350451 TCTGGTCATC AGTGACTTCA TTGAGCACTG AGAGCAGTTT CATTGAAGGA
350501 GCAGTAAGGG CAAAAACTAG ATCGTAGAGA ACTGAAGTCA AAATAATAGT
350551 TGAGATTTAT TGTGGATATC TCCTTTCAAG AATTTTGAAT GAAAAAGAGA
350601 GGAGAGAGAT TAGATTGGTA ACTAGAGAGA TAGTGGTGGG GGCAGGGTAT
350651 ATTCATAGAA TGGAAGAGAC TTGAACATGT TTATAGGTTG AAGAGGGAGA
350701 GTCAGCAGAG AGAATAGAGT GAAAATATCC AAGAGAAAAA TGAGAAAGGG
350751 GATAACTAAT GAAGGAAGAT CACAGAGGAC TGTGGTCATG GACACAAAGA
350801 AAGGTTTTGC CTTCAGCTGA AGGAGACTTT ATTCTCTTAT ATTATTCAGA
350851 AAGAAGTAAG AATGATTGTA AATATAGACA ATTTCTTAGG TAGAGGGCTA
350901 GAAAGGTGAA AAGGGTGGTT AAACTCAGTC ATCGCTGATC CTCAACTTAA
350951 AAGTCTGTTC CACTAATCTT TATTTTGTAT TACTGAATGC ATATATAATG
351001 AGCTACGTTA ACATTGGGTT TTACTGTACA TTATGCGTAG TATAATATAT
351051 AGAAAGTCTG ATCCCTCTTT TTAAATAATA TATAGAAATC CAAACTTTAT
351101 CAGTGTAAAC ATACTGAGTT TGAGGTGTCT ATAGATCATC TTAATGGAGA
351151 TGTCATACAG ATTAGTTTTC ATTTTTAAAT TTCTCCCTAT TTCATTGAAA
351201 ATATGATTCA CTATATAAAA TTGTAATTAA TATAGTTATA TTACATAAAG
351251 ACAAAGGAGA AGCTCTATAC ATATGGATGA TCACATACTA ATGGAAGATT
351301 TTTTAAATTG TAAATTAATA TTGTTTCCTA GACAAGTCAG TAGGATTGAG
351351 TATACAAGTT GAACATCCCT AATCTGAAAA TCCAAAATCC AAAATGCTCC
351401 AAAATCCAAA ACTTTTTGAG CACGGGCATG ATGCCTCAAG TGGAAAATTC
351451 CACACCTGAC TTCATGTGAT GGGCTGCAGT AAAACATTGT TTCATGCACA
351501 CGATTATTTA TTGTATAAAA TTTCTTTCAG GCTATCTGTA TAAGATGTAG
351551 ATGAAACACA AATGAAGTTC ATGTTTAGAC TTGGATCCCA TCCCCAAGAT
351601 AACTTATTAT GTATATGCAG ATATTCCACA ATCCAAAATT CAAATACTTC
351651 TGGTTTCAAG CATTTTGGAA TAGGGTTACT TAACCTGTAC TGAGGTGACA
351701 GGTAATCTCT TAGTCTTCTG GCTTTATATG ATTACTGGTT AGCTAAGGAC
351751 CTGTCTATGT TAGAGGCCTT GTCCATGCCA CATTTTTTCC CAAGTTAAGC
351801 TTCTACTGTA GCTTTTTCTT ATTTTCTGAC CTGCTTGATA ATCTATTCTT
351851 ATATTCATTC TCACAGTGAA TTAGTCTATA TAGTGTATTA GTTATAACTC
351901 AGTGTATTCT TAAAGGGTTT CCTCAATTAT TTTAATATTT GACCTGCAAT
351951 AATCTGAGAA CGATTTTCAT TTTCTATACA TAATGGCTTT GTAGTTCAGT
352001 GTTAAAGCTT TGGAATCTTC AGAGTGAATT GATTGATAAA AGAAAACTAA
352051 TAGTGCCTGG CCCCCAGTTT GCACTTAATA ATGTTTGATG AATGAAAGAC
352101 CGAATGCATA CAATTTCATT TTTGTGAAAG TTTACCATCC TAAAAACTCT
352151 GATTTTTTTT TTTAAAGAA ATAGTACATG TTCTTTTTGG ACTGTCTGAA
352201 AACATTGACT CTTAACCATA ATAACAAATA ATTTTTATGA GTCCCAAGCT
352251 AGAGATAAAG AGACCTAGTT ACTTCATTTT ACCTTGGGTA TGAGTTTTGA
352301 TATTTGATGA TAACAGATTT GGATCGTTGC TGGTTTGGGC AAGGTTCGGA
352351 TTAATTATAT AAAAGAGCAC ATAATTAAAA AAAAAAAAC CTATCATATC
352401 CTGTTACCCA ATTCTCTGGT ACAAGAGCTT TAGGCACTGA TTTAATCTTG
352451 AAATGATAAT TGGACTTCCC ACTAGATTAG CCCATATGTT TTGAGAGGCT
352501 GTCTGGGAAT GAGAGGATGT CATTCCTATA TGAAGGAACA TGAGGCAAGA
352551 ATCCAGAATG AAGAACCATT AGTCTGTCTT ACCAGAGTTC TGACAACACT
352601 GTGATCTGAA AATGTTTTGG CCAAAGTCAG ATTTATTGAG GGCCATAATT
352651 TTCAATAAAA AGAATCCCAG AGGAAGTTAT TTGATGGTTG GAATAAAAAT
352701 ATGACTTATA CACTACATGA TTCAGCTGCT TTGGTGTTGT TTTTTGAGTT
352751 GTACCCATAT ATTCACCTTC ACATCCAAGT GTGCTGGAAA AAGTTTGTGT
352801 TCTGATTGAA TTATGTTCAC CTTAATTTCC TCTGCAGTGC TTTTCCCTCA
352851 GGCAGACCCT TGAGTGATTG TCTTTTTTAC CTCCTCCAAT TTCCACCATT
352901 CTCATTTTAT GTGTTCAAGT TAAATGTGAA CAACAGCAAA CAGCTACACT
352951 CTGTAAAACA TACCATTTCT TTCCTTGAGT CAATGCATTC ACTTTTCTGG
353001 TAAATGATTT TGGGGGCCTG CAGAAACCAA ATGATGAGAC CCCTGTAGGT
353051 GGTGAAGAGG AGTTTGCAAG CAATGTTTGC ATAAAGTTCT CCTGGGCCTCT
353101 TCTGCTCGTG TTTGGTTTGT TCTTTTAAAC ACTGTCTTAA CTACAAAAAA
353151 TTTTTTTATG ACTTTGGTCT CTTTGGAGCA AGGAAAATGA CCTGGAGGGA
353201 CAGTCCTATG GCAGTCCAGC TTATATTCTT ATGTAATTGA CTTAACTGAC
353251 ATATGCCTTG GTTTTCCTTT TTTTAATTTA ACTTTTATTT TAGGTTCAAG
353301 GAGTACATGT GCAGGTTTGT TACATAGGTA AACTGCATGT CATGGGGGTT
353351 TCATGTACAG ATCATTTCAT CATGCAGGTA ATAATCACGG TATCTGATAG
353401 GTATTTTTTC TGATCCTCTC CTTCCTCCAA CCCCCTAGCC TCAAGTAGGC
353451 CCCAGTGTCT GTTGTTCCCC TCTTTGTGTC CATGTGTTCT TGTTGTTTAC
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FIGURE 3WWWW

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353501 CTTCTTATAA GTGAGAACAT GTGGTATTTG GTTTTCTGCT GCTGCATTAG
353551 TTTGCTTAGG ATAATGGCCT CCAGCTTCAT CCATGCTGCT GCAAAAGACA
353601 TGATCTTGTT TTTTATGGCT GCATAGTATT CCATGGTATA TATGTACCAT
353651 AATTTCTTTA CCCAATCTAC TATTAATGAG CATCTAGATT GACTCCATGT
353701 CTTTGCTATT ATGAATAGTG CTACAGTGAA CATACATGTG TCTTTATAGT
353751 AGAATGATTT ATATTCCTTT GAGTATCTAC CCAGTAATGG GACTGCTGGC
353801 TTAAATGATA ATTCTGTTTT GAATTCTTTG AGGAATTTCC ATACTGCTTT
353851 CTACAATGGC TAAGCTCATT TAAACTCCCA CCAGTAGTGT ATAATCATTC
353901 CCTTTTCCCT GACACCTCAC CAGAATCTGT TATTTTTTTG CTTTTTAATA
353951 ATAGCCACTC TGACTGGTGT GAAATGGTAT CTCGTTGTGG TTTTGACTTG
354001 CATTTCTCTA GTGATTAGTG ATGTTGAGCA TTTTTCCATA TGCTTGTTGC
354051 CACATGTATG TCTTCTTTTG AAAGTGTCTG TTCATATTCT TTGCCCACTT
354101 TTTAATGGTG TTGAGGTTTT TTTGCTTGTA AATGTAAGTT CCTTATAGAT
354151 TCTGGATATT ATATCTTTTG TGGGATGCAT AGCTGCAAAT ATTTTCTCCC
354201 ATTCTGTAGA TAATCTGTTT ACTCTGTCGA TAGTTTCCTT TGATATGCAA
354251 AAGCTCTTTA GTTTAATTAA GTCCCATTTG TCAATTTTTG TTTTCATTGC
354301 AGTTGCCTTT GGCATCTTCA TCATGAGATC TTTGCCAGGC CCCATGTCCA
354351 GAATGGTATC TCCTATGTTA TCTTCCAGGG ATTTTATAGG TTTAGGTTTT
354401 ACATTTACAT CTTTAATCCA TCTTGAGTTG ATTTTTGTAT ATGATGTAAC
354451 GAAGGGGTCT AGTTTCAATC TTCTGTACAT GACTAGCCAA TTATCCCAGC
354501 ACCACTTACT GAATGGGGAG TCCTTGCTCT ATTGCTTGTT TTTGTTGACT
354551 TTGTCAAAAC TCAGATAGTT GTAGGCATAT GGTCTTATTT CTGGGTTCTC
354601 TATTCTGTTC ATTGGTCTAT GTTTCTGTTT TTGTACCAGT ATCGTGTTGT
354651 TTTGGTTACT GTGGCCTTGT AGTGTAGTTT GAATTTGAGT AACATGATGC
354701 CTCCAACTTT GTTCAGTTTG CTTAGGATTA TGTTGGCTAT TTGGGCTCTT
354751 TTTTGGTTTT GCATGAATTT TAAAATAGTT TTTTCTAATT CTGTGAAGAA
354801 TGTCATTCGT AATTTGATAG GAATAGCACT GAATCTGTAA ATTACTTTGG
354851 GCAGTATGGC CATTTTAACA ATATTGATTT CTTCCTATCT GTGAGCATGG
354901 AATGTTTTCT ATTTTTGTGT CATCTTTGAT TTCTTTCAGC AGTGTCATAA
354951 TTCTCCTTGT AGACATCTTT CACCTCCTTG GTTAGCCATA TTCTTAGGCA
355001 TATTTTATTA TTTTTGTGGC TATTGTGAGT GGGATTGCAT TCCAGATTTG
355051 GCTGTCAGCT TGGATGTTTT TGGTGTATAT CAATGCTACT GATTTTTGTA
355101 CATTGATTTT GTATCCTGAA ACTTTTACTG AAGTTATCAG ATCCAGGAGC
355151 TTTTGGGCTG AGACTATGGG GGTTTTCTAG ATATAGAATC ATGTTGTCTG
355201 CAAACAGGGA TAGTTTGACT TTGTCTCTTC CTATTTGGAT ATCTTATTTC
355251 TTCCTCCTGC CTGATTTCTC TGGCTAGGAC TTCCAGTACT ATGCTGAGTG
355301 GGAGTAGTGA GAGAGGGCAT TCTGGTCTTG TGCTGTTTTT CAAGGAGAAT
355351 GCTTCCATCT TTTGCCCATT CAGTATGATG TTGGTTGTGG GTTTGTCATA
355401 GATGGCTCTT ATTATTTTGA AGTTTGTTCC TTCCATGCCT GGTTTATTGA
355451 GGGTTTTTTA AATGAAGCAT TGTTGAATTT TATCAAAAAC GTTTTCTGAA
355501 TCTATTGACA TAATCATGTT TTTGTTTTTA GCTCTGTTTA TAGGATTAAT
355551 CACATTTATT GATTTGTATA TGCTGAACCA AACTTGCATT CCAGGGATAA
355601 AGCCTACTTG ATCATGGTGG ATTTGCTTTT TCTTGTGCTA CTGGATTCGG
355651 TTTGCTAGTA TTTTGTTGAG GATTTTTGTA TCGATGTCTA TCAAGTAGTT
355701 TGGCCTTAAG TTTTCTTTTT TTGTTGTGTT TCTGCCAGGT TTGGGTATCA
355751 CAATGATGCT GGCCTCCATAG AACGAGTTGG AGAGGGATCC CTCCTCCCTA
355801 ATTTTTTGGA ATAGTTTCAG TAGGAATGGT ACCAGCTCTT CTTTATACAT
355851 CTGGTAGAAT TCTGTCTGGT CCTGGGCTTT TCTTGGTTGG TAGGCTTTTT
355901 TATTACTGCT TCAGTTTTAG AACTTGTTAT TGGTCTGTTC AGGGATTCAA
355951 TTTCTTAGGT TCAGTCTTGG GAGGTTGTAT TTGTCCAGGA ATTTATCAGT
356001 TTATTCTAGA TCTTCTAGTT TGTATGCATA GAGGTCTTCA TAGTACTCTC
356051 TGAGAGCTTT TTTTATGTCT GTGGGATCGG TGGTAATGTC CCCTTTGTCA
356101 TTTCTAATTG TGTTTATTTG GATCTTCTTT CTTTTTATTA GTCTAGCTAG
356151 CAGTCTATCT GTCTTAATTT TTTCAAAGAA GCTACTCCTG GATTCATTGA
356201 CCTTTTGTAT GGTTTTTCAT ATCTCAGTTT CCTTCAGTTC AGCTCTCATT
356251 TTGGTGATTT CTTGTCTTCT GCAACCTTTG GGATTTGTTT GCTCTTGATA
356301 CTCTATTTCT TCTGGTTGTG ATAGGAGGTT GTTAATTTGA GATCTTGCTA
356351 ACTCTTTGAT GTGAGCTTTT AATGCTATGA ACTTCCCTCT CAACACTGCC
356401 TTAGCGGTGT CCCAGAGATT CAGGTATGTT GTATCTTTGT TCTCATTAGT
356451 TTCAAAGAAT TTCTTGATGT CTGCCCTAAT TTCATCATTT ACCCAAAAGT
356501 CACTTGGGAG CAGGTTGTTT AATTTCCATC TAATTGTATG GTTTTAGCAA
356551 TTTTTCTTGAT ATTGGTTTCT ATTTTATTGT CTTTTGCCTT AATTTTCATT
356601 TATGAAAATA TAAAAAAATAT AAATATAATG CATGTGATAA ATGCATGAAG
356651 TACAATACTG ATGCTTTTTC TTTGGTATGT ACATTCCAGA AATTAGTTAT
356701 GTTACACAT TAGGGTGAGT CATGTGCTGA GCCTTTAAGG GGAAATTTTA
356751 AACCTTAATC TGTATATTTC TAACGTAAAT GGCACCATAT ATCTCTAGGA
356801 CACAGTAATA GACCCCAGAA TTTAGGACCA TGTCAAAGAA ATCTGAAATG
356851 TTTTAATTTT TCTCCTACTG TGAGTTTGCT TCATCTCTAC TTGAAAAATG
356901 AAGAGTTTCT TTTAGGCCAG GCGCGGTGGC TCATGCCTGT AATCCCAGCA
356951 CTTTGGGAGG CCAAGGCGGG TGGATCACCT TAGGTCAGGA ATTCGAGACC
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FIGURE 3XXXX

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357001 AGCCTGGCCA ACATGGTGAA ACCCCATCTC TACTAAAAAT ACAAAAATGA
357051 GCCGGGCGTG GTGGCAGGCA CCTGTAATCC CAGCTGAGGC TGGGGCAAGG
357101 AAATCACTTG AACTCAGGAG GCAGAGGTTG CAGTGAGCCA GGATCATGCC
357151 ACGGCACTCC AGCCTGGGTG ACAGAGCAAG ACTCCATCTC AAAAAACAAA
357201 AAAAAAAGCT TTTATAGAAC TAATGTATAT AAAATATACA TACAAGTTGG
357251 AAGTATAGCA AAGAGATAAA TAACTCAGTT TCTGAAATTA GGAAAAGGTA
357301 AATTTGAATC CCATCTCTGC CATTTACTAA CTCTATGACT CTGGAAAGTT
357351 TTCTAATAGG TATAGTAGTT ATAATAATAG TACTTTCTTC CTAGGGTCAT
357401 TGTGAAGATT AAATTATATC ACCTATAGAA AGCACTTGTA CATATCATGA
357451 ACCAAAGATT ATAACTAATC CAATTTTTCA GTTCACTGAA GAAAAATGGA
357501 AGTGACTGTC CAATGTAGAT GTCAGCACAT ACTGAAGGGT TCAAGAAATG
357551 AGAGTTGTAA TTATCACTGC TGTTATCAGT AGATCATCAA TAAGTAGAAC
357601 TGATCAGTTA GCTCAAATTG AGCAATCAAT ACATGAGTTA CTAGAAAGCA
357651 ATATTTTTTA AAGGTTTATT ACAATATAAA AGTGATACAA CTAAGGGATT
357701 GGGAATAAAT GCGTATACAT TTACCTAAGA ACAAGTGTTT AACTCCAATT
357751 TCTTTTAATT AAGTTAGTTC GCATTTATGA TAGAGCCATA CATATTGCAG
357801 AGGACAATAC CATGTGCAAT CCTAAGTAAT ATTTTCTTAT GAGGTTTAGT
357851 GTCAGGTTCT TCAGGTAGAA GAAGCACAAG CAGCTGCATT TAGTAGAACCT
357901 GGGTTCCAAT CCTAGCTCTA CCATTTATCA ACTGTATTAC ATTGAGTAAT
357951 TTAGTGAACC TATCTGAGAC TCTGTAAAAT GGCAATAGTA ATACTTCATT
358001 ACTATGAAGT AATACTTTCA TAGGCATTAT GAAGATTGGA AATAATATAT
358051 AGGGTACTTA GTAAATAATA GCTATTGGTG TTATTCTACC ACTACTTTTT
358101 TTAAATTAAT AAACTGTGTA CTACCACCAT TTTAATTAAT AAAGTTCGGT
358151 TCCTTTACAA ATAAACATTA GTTTTCTATC CCTGCTGTAA CAAATTGCCA
358201 TACACATAGT AGCTTAAAAC AACAAATTTA TTATCTTATA GTTCTGGAAG
358251 CCAGAAATCT GACAAAGGTC TTATTGAACT AAGATTAAGA TGTCAGCAGG
358301 GCTGTAATCC TTTATGGAGC CTCTTGGGAA CAATCCATTT CTTTGCCTTT
358351 TTCAGCTTTC TGAGGCCCCC TGCATTCCTT GGTTCATGGC CTTTTCCTCC
358401 ATCTTCAAAG CTAGCAGCCT AGCATCTTCA AGTATCCTTC TGTTTCTGAC
358451 CTATGCCTCC CTGTTCCACA TTTAAAGGAC GCTTCTGATT ACGTTTGACC
358501 TATCCAGATA ATCCAGGATA ATCTCCCTAT TTTAGGGTCA GGTGATTAGC
358551 AATTTTAATT CCATGTGTAA CCCTAATTCT CCCTTGACAT GTAACATAAC
358601 ATATTCACGG TTCCAGGGAT TAGAAGGTGG ATATCTTGGG GGTGGGGCAT
358651 TATTCTGTCT ACCACAATAA TCAAAAAAG CATTTGTTGC ATAGTATTGT
358701 ATTTGCCTTA ATAATCATGA GAAACTGGCA AATAAAGATC AGCTGGTACC
358751 ATAAATTTTC AGATATTACC ATTTTTTTGT TTTCATTTTT GTTCTTTTTT
358801 TTAATGTTAT TTTAGTATCT TGGTTAAAAG TACTATCATT TTGGAAATTC
358851 ACATTTTTGG CCACTATAGC TGTATTGTGT TTTTTATTTA AATTGATATA
358901 GTTGAAACTC TAAAGATACA ACTGCAAGAA TATATGTGGG CAAATTTTTG
358951 AACTATTTTG TGGATAAAGG GAAAAAGGGT AGGAATCGGA TGTTTTTCAT
359001 CAGTTTTTAG GAGTAATTAC AAAGCTAACA GGAAAATATG TCTCCCTTCT
359051 AAGATAAAAG GAACCTGAAT ATTTGTCCCT AATATTAGAA AGCAAATGGC
359101 TCGCAAAAAT TCTCAAAGAT AGTGTGAATC ATATTCTTTT ATAACACTGG
359151 ATAAAGGGGG AAAAAAGTGA CATTTGGGGT ATTAAACCTG AGATGAACAT
359201 CCTAATCCAG AGAGTAGCTG ATCTTTAGAC CTACAGGCTG CCAGTGAGGT
359251 GTTGTCAGAT GTTGGGAGTTT AGGCATAGAC ACTCCACTG GGAAGAGAAC
359301 AGTGCCACTG GCTAGTCACT TCACTTCTGG GCCTCAGTTT TCTCATACCT
359351 ATTTTGTGGA TTATGTGGGT TGCTAATTAA GACACCCATC TACCTTTGAT
359401 GTTCTTTAAA GTAGAAGAAA GAAATTTAAA CAAATGAATG ACACTAAAAA
359451 CAGAACAGAA ACCACCAAGA TGTCCTTCAA CAGGTGAATG GATGAATAAA
359501 CTTTGGGAAG TCCAGACAAT GGAAGATTAT CCAGTGCTAA AAAGAAAATG
359551 AGCTATAAGG CCATGACAGT GCATGGAAGA ACCTTAAATA TATATGACTA
359601 AATGGAAGTA GCCAATCCAA AAAGGCTACA TACTCTGTAA TTCCAAATAT
359651 ATGATATTCT GGAAAAAACA AAACTATGGA GACTAAAAAC GATCAGTGGT
359701 TGTCAGGGAT TAGGGGAAGG GAGGGATGAA TAGGCAGAGC ACAGAGGATT
359751 TTTAGGGCAG TGTAACTACT GTATTCACTA CAGTGCTGGG TACATCTCAC
359801 TATATACTTG ACAATGTAAC AATGTAGGTT CATCACTTAT AACAAATGTA
359851 CCACTCTGAT GTGAGTTATT GAGTATAGTG GGCAGGCTGT GTGTATGTGA
359901 GGGCAAGGAG TATCTGGGAA CTCTGTACTT TATGCCCAGT TTTACTGTGA
359951 ACCTCAAACT ACCCTAAAAA TTAAGTCTAT TTTAAAAATT AAACAGGGTG
360001 GGAGGAAATG GAAGGGGAGA AAATAAAAAG GCTACTCACT GAGCCTTTCC
360051 TCATCTCCAC TGCCTGTTTC ACACACTTGG CCTTTTCACT GTCTGTAGTT
360101 TTTCCTCTCC TCCAACCTTA GTCACTTTCA CGTGGATAGT TAGGACAGCT
360151 TTTTCACTCT AGTGGATACA GTATGCTCTA AGTTCACTAA AACAAGCATG
360201 TTTGTCTTTC TTACTGGGTT AGGGAGAATC TGCTGTATGA TCCAAATAAT
360251 ATACTCAATA CATTAACTGG GATCCAGTAT AACATGAGTG ATTGGTCCAT
360301 AAAAATCCAA CTCTGGAAGT ATCAATTCGT GTTTTACAAC TATTTTTTGGA
360351 TACTGTATTT CTTTCTAAAC CTTCCTTAGA TCATTGTTAC CCTTAAGAAT
360401 ACACCCTGTC TGGATCAGCA AGGTCACACA GCCACCGCTG TGAGACAGGG
360451 CTCTATGACT GGCTTATCAA AGAGTTGGCA TAGCTGAGGG GCAGTTCCCC
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FIGURE 3YYYY

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360501 AAAGAAATAG TTCACTTGTT CAAAGAACTA AGAAGTCTTG TTATTTAAAA
360551 TTAAAAAAAA AAAAGTACAA GGGAAAGAAG CAGGGGGGAG AAAAGAAGAA
360601 GGAAGGGAAA AGAAAGGAAA GATGAGGGGA AGAAAATACC ATGTTTCTTG
360651 TATCAAGCCT ATCAAGACAC CTACCAGGAT GTTTTATAAG ATTTTCTTTG
360701 ACACAGAAGG GGAAAGTCAG TGTTTCTTCT GTATCAGAAC ACTTAATATA
360751 TGAAAATGAT TTTGCTTCAC AAAAACTGTG AATATAAGTG TCTTGCACTT
360801 TTATGTTTTG TCCCTGGAAG TCTAGGTCAG ATGCTCCATA AAGGTTTTGG
360851 ATGTGATCTC TAAAGCATAT GTTCCACCAA GAAGTCTTTC TATATTCACC
360901 ATCTCTCTGG TTTCCATGGA GGTGATGATG GAAACTTATG TATAATTTCA
360951 GACTAGCATT GTGCTGCGAA TGATGTTTAT AAAATATTAA ATTCTGATAA
361001 AGGGAATAAT ATTTTTAAGT CATTCTTAAT TCCTGAATAA TGCTGCATGT
361051 TAATGGTTAG ATATCATTTG ACTTCAAAGT CTTTCACAAC ATAAACTTTG
361101 ATTTCATACT AGTATAAGTG ACCCGGTAGG AAAAAAAAAA GAGAGAGAGA
361151 GAGAGAGAGA TGTTTGTCTT TCTTATAGGG TTAGGGAGAA TCTGCTGTAT
361201 GTTCCAAGTA AATGTTTTCT ACCATTACCA TCTTGTTAAG CTAATGCAAA
361251 AAAAGAACAG CAGTTTTCTT ACCCAGAATC CCAAATTTGA GTCAAGGCCA
361301 ATTTCATAGG AATGTCCTCC TATGTAATGG GGAGTTAACT GTCTAAATCA
361351 GGGATCATTA AACTACAGTT TGAGGATTAA ATATGGCCCA CAAACTGTTT
361401 TTGTGAAGCC CACAAGCTAA GAATGTTTTA CCTTTTTAAG GGATTGAAGA
361451 AAAATCAAAA GAAGAATAAT ACCTCATGAC ACATGAAAAA TGTATGAAAT
361501 TCTAATTCCA ATGTCCATAA AGTTGTATTG GAACACAGCC ACACTCATTC
361551 ATTTACGTAT TGCCCATGGC TGCTTCCACA CTGCAAGGGC AGATTTGAGT
361601 AGTTCCAGGA GGAACTGTGT TCTCCGCAAG ACCAAAACAC TTGCTGTCTG
361651 GCCCTTTACA GCATAAGTTT GCGCACCCCT GATGTAAATA ATTGTTTCAC
361701 CATCTTCCCA CCTCTGCACC GACACACATA TTCTTCCTAT CATCTCTTTC
361751 TGCTTCCTTC CCTTCTTCTC TTCCTCTTCA CACACACATA CCTCATTTTG
361801 AATTTGGCAA TTATGATTAC TTACAGTAAA GGTAAGCGGA AATACATTTT
361851 AATTTTCCTT TGTCATTTCT CTCCTCCCTG TCTGCTTTCC CTTTCCTCTA
361901 CTGCCTTTAT ATAGAATGTC TGAGGGCTGT GCCCTTTTCC CAAAATATTT
361951 TGTTTTAAGG TGGGGGTTAG ATCTTGGTAC ATTTTTTGAC TTCCATGGAA
362001 AGTTTTGTGT TAGTATGTGG TCCCATTTTT AACCTATTTG CAGACACCCC
362051 CGATTATCTA AAATCACTTT CACATGGGGC TGAGGTTAAG CTTTATTTCT
362101 TTTGGCATGT CCCTACCACA GCAGACACTT CCTCTTTGCC TTGAAAGGAC
362151 AAAACGATGT TCAGCTGTCT GGGCTTAGGC CCAGTATTTG ATTTATACAT
362201 TATTTAATTT CCTCCTGAAA ATTGGAAGCA GGACTTTCAG GAATAGAAGT
362251 CAGTATTTTT CATTTGTTTT AGAATACTTC TAGGTCTAAT ATAATCATCA
362301 GTGGTAGATG TCAGCATGAT TAGGGGGTGA CTTAAGGTAA AGCAAATAAA
362351 ATGTGAATAC AAAGGAAAAT TATTTGACAA TGGAGAAGTT CCGAAGTTTT
362401 TGAATAATCA TTATTGTATA TGTTATTAGG TTTTGGGGGT ACTACATTTT
362451 GGGGCACCTG TCTTCACTTT ACCCATTGAA GGAAAGATGT CTATTATGTT
362501 ATAGTTGCAA TTGTTGGGGG ATTAGAAGTT TGAGGAAAAT GTAATGTAAC
362551 CCTTCCAGTA ATTTTACAGA GGATTTTTGG ATTCTCTGTG AGCTGCTACT
362601 GCATTTGTCT TCACAATTAA GTTCATACGA ATGCCAGGAT GTGAATGCCA
362651 AAATAGTTTG AGATTTTAAC AGCAGTGAAC TCAGGAAATT AAAAATTAAC
362701 TCTGGAAATA CTATTTCATG TTTTACAACC ACTTTTGGAT GGTGTTTCTC
362751 TTTTTAAACC TTCCTTAGAT CATTGTTACT CTTGGGTTAC AACCTGTCTC
362801 CTTTTTACCA CCAAAGTTCT TAAAAGTCTA GCACACCTAC TGCCTCTACT
362851 TCCTCACTCA TAATTCGCTT CTCAAACCCT GGCAGTCTGG GCTTTCCCTC
362901 CCTCTGCACA CTGCTAAGCT GACCTCACTA TTTCCTTCTC TCCAATTATA
362951 ATAACCAGCT CTAAGTCCTC AGCTTTCCTG ACCTTTTTGC TCCATCTGTC
363001 AGAATTCGTA CCCTCTTCCT AAAGCCCTCT TTCAGTTTTT ATGTGGGACT
363051 GTCCTAATTT CCTCTACTTC TTCCTGTCTT TTATAGACCC ATCTCCCTAG
363101 TATGGAGCTG GGCTTAAGTG TCCCCCAGGT TCTGTTTCTT GGACCATTTT
363151 TCTCCCTACA TTCTTAGGCT TTCCCTTCTC ATTTTTTCTC ATTACCTGAG
363201 ACACTTCAGG AGAACTCAGA GGGCTGCAAA GAGCACAGTT TGAAAATCAC
363251 CCCGGTCCTG TCAGACTACT TTTGAGTCCT TAATACAGCC CACCCTATGC
363301 CACCTCTGTG CCTTCACATG AGAGTGTACC TTAGTGTGGG AGTGTGCACT
363351 CCCATGGAGT GCCTTGCCAC CAACACCACC AGTACATCTC TTCACATTCT
363401 TCTAAAGCTT ATTCCTAAAG CATCTACTCT TTTATGTTAC CAGGCTCCCA
363451 GTAGATGCTT TCCCTCCCTC ATCTGAGCTA TGGTGGGTAA AGAAAAGGTA
363501 CCAGAGTCAG ACAGATATGG ATTTAAATAT GGATCCACCA CTTACCTGTG
363551 TGTGATGTTG AACAAATTTA CCTAAAGGCT TTCAAATCAG TTTCTTCATT
363601 TATAAATTCG GGGTAGGGGG AAGGATTTTA CCTACCACAT TGGATTGTTG
363651 GATAGATTCG GTAACTTATG TGAAGGCAGA GAACACTTCG AAATCAGTGG
363701 TGGTGGAGGT GGTAGTGCTA ATAGTGCTAA TATCACCATC GTCAATATAA
363751 TTATTTCCAC AGCAGCATTT TGTTTCTCAT ATGTCAGTTA CGTCACTGTA
363801 CTTATTGTCT TGTTCTCATT TCAGAATTTC AGACTCCTCG AGGTTTTATT
363851 TATATTCCCC TGTTCCCCAA GAGCATAGAA CAAGGACTTA AGCATAGGTT
363901 TTCCTAAGTG AGTTGAGTTG CATAGAATAG CTATTCTCCC CTAAAGGAAA
363951 ATACTGACTC CACAGTGTTC TTAAAAGTCA GAGCTGGTAA GTTTGTAGCT
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FIGURE 3ZZZZ

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364001 GTCTCTTCAT ATTTTAATCA AACATTATCA CACTAAAAAA AATCATTGTT
364051 ACATTTTGTC ACTCTAAAAC TTGAAACTAA GTAGTCTTTA AATTTTAAAT
364101 TTTAATTTCT CCAAGAGTTA ATGACTTATA TATTTAGATA TAGGTGGTCT
364151 GAAGTAATTA TTTTTAAAAG AACTACTTTT GTATTTGATG CATAAATTAT
364201 ATCAGTAGTA AAATATTCAG AGAAGAAAAA TTAATATACA AACATTAAAT
364251 TGCTTTTGAT TTTATATGTT TGATTCTGTG TCTATCTTAT TTTTGATTTT
364301 GTAAAATCAA TGCCAACTGC AAAGTTTTTT AGCTTAAATA ACCAGCAGTT
364351 TTTCTTTTTA CATGTTTTTA CTTACAAAAC CTTTATCCTC TATCTCTCAA
364401 CATATTTCTG GAAAACAGAT TTTCTGCTTC TGGGAAACAT CACTTTTTCA
364451 CAAATCACAC ATCGACCTGG TTATAAAAAC CTATAACTGC TTTGTTTGTT
364501 GCTCTGAGGG CCAGAGTTGT AGATTAGGTT CTGCTGTGGA TTTCTGAAGG
364551 CTAAAGTAGG GAAGGAGTGG TTGTGCTATT CCGATCTGAA CTTCTGTAAT
364601 AGGAGAGTAG CAAAGCAGTG AGGAGTTGAA AGGCCTTTAA AAAAAAAAAA
364651 AGTATACGTT CACATGGAGT CCCTCTGAAT AAGTACCAGC ACCCCAAAGT
364701 CACTAAAATT ACTCCCCAAA TCAAGCATTC ATCACTCAGA AAGCCTTTAT
364751 GGATCACCAG TTTTGCAGGG CTCGGTATTT GGTGGTGTCC TCACAGCTTT
364801 GAACCAGACA TGCTTCACCT GAGTTAAGGA CACCTCTACC GGCAGGCCCC
364851 TAGAGAGTGG CTCAGGGTAC TGATGGGGATC AGAAAAGGGA GGGTGTGACC
364901 AAAGAGCAGA TTGAGTCCAC ACTTTGAATA CTTTCGGAA CTACTTGCAG
364951 CCACTCAGGA ATATAAACTA GTATCACAGC TGAGAGCTTT ATTTAACATT
365001 CCACTTAGTT ATAATCTTTA CCTAATCTCT ACTGTTTTTA TTTGGCTACT
365051 AGCTATTTAG TGTAACCCCA TTTTTGTGGA AGGCTGGCCA AGAGCACACT
365101 TCAACTCAAT AGTAGTCAAA GCCAGCTCTA CTGAACCTAC ATGAACACAT
365151 GAGCACACAA ATTGTGTGGT TCTGAAGTTT GTGGGGGTAT TTTTTAGTTC
365201 TTGATAAATG TTCATCTGCC TAAGCAGTAT ATACAATGTA AAGTTAAATG
365251 TGACACCTGC TATAAGGCAT ATAAATTCCA CATTCGGTTA AAAACCAACT
365301 TGTTAAGACT AAAGTCCTAA ATTAGTTAAC ATTAAGTCAG ATATCTTATT
365351 TTATGCTCTT CATATATTTT CCTTCTTTCC TTCATTGTTC TTTTTCATTC
365401 TTTCCTATAT TTGTTGACCA TGTACTATGT GCCAGATAAG GTTCTAGGCA
365451 CTAGCATCTA ATATTAGCAA CGAAAATAAA GAAGTCTATT TTGTGAGAGG
365501 CAACAGACCA TCAACAAAAT AAAATATAGT ATGTGGCAAT AAGAGAGAAG
365551 GAGCAAAATA AAGCAGGGAA GGAGAATGGG ATTACAGGGA GGGCTGCAGG
365601 TTTTAATAGG GTGGCCATGG AAAACCTTGC CGAGAAGGTG GCATTTGTGT
365651 AAAGACTTGA GGCGAGTGAA CTGCAATTAT CCAAAGGAAG CACATTTCAG
365701 GGAGAGGGAA CAAGAAGTCC ACATGCTCCG AACACGAGTG TTCTTTGCAC
365751 ATTCAAGAAC AGCCAGGAAG CCAATGTCAC TGGAGTGAAG AGTGTGAGGG
365801 GGTTCTAGGG CCCAGTTGAA AAAAAGTGGG AGTAAGTGAT TGGTGTCGCA
365851 TGCTGCTGAT AGATTAAAATA GATTGAGAAC TGAGGATTGA CCGTAGGATT
365901 AGTGACCTTG ACAGAGCAAT TCAGTGGGGG AGTGTTCAGA AGTGTCATTT
365951 CAATGGGTTT AAATGAGAAT GGGAAGAGAG GAAATAGAAA ATGGAAAATG
366001 AAGAGAGCTC TTCCAAGGAG AGTTGCTAAT GGGAATGAAA GCAGATATGG
366051 AGACAAGGAA GGGACTAGAT TACATCTATA AGGTGAGAAA TTACAACGTG
366101 TTTTTATGGT GGTGGTAAAG CTTGACTCAG GTAAAAGGAA ATGGAACCCC
366151 ATGCATAAAT AGAAGGATTG ATCTTGGCAG CACAGATACT TCATCTATTG
366201 AAACAGGAAA GAAAGTTGAG TATGTACATA CAAGTAGAGG GAAAGGGGTA
366251 GACTCAATGG TGATAGCATG TTGAAAGTTC TTCTCTGCCA CATGAACAAA
366301 CTTTCTTTCC AGTGCTTAAA CAACACCTGC AGTATCCTTC TCATATGGTC
366351 ATTTGCATAT TATCTCTACA GCTGTCTTAT GTTTGGCCAG CTTATTAATT
366401 GTTAATATAT CTCTTCCTCT TATTGAGCAA AAACCTTTCT TCTAGAACAT
366451 TGATCCTAGT TCTGCTTCCC ATAGCCTCCC AAGATGGACA GTTCTAATTT
366501 TTCTATAGAA GAGCCTTTGA AGGACTGGAG GACTGATGTG GTTTCTCAAG
366551 GCCGACCTCA TTCCTGCTGA TTCTAACACC TAGCCCTTCA GTGTTTCTGC
366601 TGGCATGTGT GGTTTCAACC CCTGTCACAT TCAGACACTC TCATCTAACA
366651 GGGCCCAGGG TATTTAATCA GTTTCATTTG CTAATCAGGC CTCATTGGTC
366701 CCGGCCTTTG GTATCTGTTT TTCTCCCAGG CTTTTTTCTA CATATTTAGT
366751 GTTTCTCACA AATACTAACA TTGAACCAGC ATGCCATTAA GATTTATTTA
366801 TTTATTTCAG TAGCTTTAGG GGTACAAGTG GTTTTTTGGTT ACATGGATAA
366851 ATTGTATAGT GGTGAAGTCT GGGCTTTTAG TATACCCATC ACCCAAATAG
366901 TATACATTGT ACCCAATAGG TAATTTTTCA TTCTTTACCC CCACTCCCAC
366951 CCTACCCCGT TCTGAATCTC CAGTGTCCAT TATACAATTC CATATACCTT
367001 TGTGTACCCA TAGCTTAGCT CCCACTTAAA CATGTGAGAA ATGCAGTATT
367051 TGGTTTTCCA TTCCTGAGTT ACATCGCTTA GAATGACCTC CAGTTCCATC
367101 CAAGTTGCTG TCAAAGACGT TACTTTGTTA TTTTTTCTGG CTGGGTAGTA
367151 TTCCATGGTA TATATACCAC ATTTTCTCCA TCCTCTTATT GGTCGATGGG
367201 CACTTAGGTT GATTCCATAC CCTTGTGATG GTGAACTGTA CTGTAGTAAA
367251 CATATACATG CAGATGTCTC TTTTATATAA TGATTTCTTT TCCTTTAAGT
367301 AGATACCCAG TAGTGGGATT GAAGGATCAA ATGGTAATTC TACCTTTAGT
367351 TCTTTGAGAT ATCTCCATAT TGTTTTCCAT AGAGGTTGTA CTAATTTACC
367401 TTCTCACCAC TAGTGTATAA GCATTCCCTT TTCTCTGCAT CCTCATCAAC
367451 ATCTGTTGTT TTTCTGTTTT TGTTTTTTGT CTTTTTAGTA ACAGCTATTC
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FIGURE 3AAAAA

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367501 TGACCGGGGT AAGATGATAT CTCATTGTGG TTTTAATTTG GAGTTCTCTG
367551 ATGAATAGTG CTGCTAAGCA TTTTTTTTAT ACGGTTGTTG GCCATTTGTA
367601 TGTCTTTTTT TGTGTGAAAA ATGTCCATCT GTGTCCTTTC CCACTTTTTT
367651 TTTTAAGTTC CAGGGTACAT GTACATGTTG TGCAGGTTAC ATAGGTAAAC
367701 ATATGCCATG GTGGTTTGCT GCACCTACCA ACCCATCTACC TAAGTATTAA
367751 ACCCAGTATG CATTCACTGT TTATCCTGAT GCTCTCTCTC CCTGCCCTCC
367801 AATAGGCCTA CTTTTTAATG GGGTTATTTT GTTGCTGCTG TTGAGTTGTT
367851 TGAATTCTTT GTAAATTCTG GGTATCAGTC CCCTATCAGA GGCATAGTTT
367901 GACAATATTT TCTCTCATTC TTCAGGATGT CTGTTCACTC TCTTGATAAT
367951 TTCTTTTGCT GTGCAGAAGT GTTTTAGTTT AATTAAAGTT CCATTTGTCT
368001 ATTTTTGCTT TTGTTGCTTG TGCTTTTGAG GTTTTAGTCA TGAATTCTTT
368051 GCCCAGACCA ATGTCCAGCA ATCTTCCTTA GGTTTTCTTT AGTATTTTTA
368101 CAGTTTCAGT TCTTACATTT AAGTATTTGA TCCATCTTGA GTTCTTTTTT
368151 TATACAGTGA GAGACAAGGG TCCAATTTCA TTCTCCTGTG TATGGCAATA
368201 CAATTTTCCC AGCACCATTT ATTGAAAAAG GTGTCCCTTC TCCAGTGTAC
368251 GTTTTTGTCA TAAAAGATTG TTGGCTATAG ATATGTATTA GTCCATTTTC
368301 ACACTGCTGA TAAAGACATA CCCAAGACTG GGCAATTTAC AAAAGAAAGA
368351 GGTTTAATTG GACCCACAGT TCCATGTGGC TGAGGAGGCC TCACAATCAT
368401 GGTGGAAGGC AAGGAGGAGC AATTCACATC TTAAATGGAT GGCAGCAGGC
368451 AAAAAGAGAG CTTGTGCAGG GAAACTCCTG TTTTTAAAAC CATCATATCT
368501 CATGAGACTC ATTCACTATC ACAAGAACAG TGCAGGAAAG ACCCACCCCC
368551 ATAATTCAAT CACCTCCCAC CGGGTTCCTC CTACAACACA AGGGAACTGT
368601 GGGAGTTAAA AATCAAGATG AGATTTGGGT GGGGACACAG CCTCAATGAT
368651 CCATCTACTG CTGTTGGTGG AGCGTTTAAG TCTCCCACTA TTATTGTATT
368701 GCTCTCTGTC TTTTCTTAGG TCTAAGAGCA TTTGTTTAT GAATCTGAGA
368751 ACCCTGGAGT TAGGTGCATA TTTATTTAGG ATTGTTATAT CTTCTTGTGG
368801 AACTGATCCC TTTATCATTA TATAATGACC CTCTTCGGGT TTTTTGTTTG
368851 TTTTTGTTTC GTTTGTACTA TTATTGATTT AAACTGTTTA ATCTGATATA
368901 AGAAAGGCTA TTACTGCTTG CTTTTGGTTT CATTTGCATG GAATATTTTT
368951 TTCATCCCCT TACCTTGAGT CTATAAGAAT CTTTACCAGT TAGGTGGGTC
369001 CCTTGAAGAC AGGAGATATT TGGCTTGTGT TTCTTTATCC ATTCCACCAG
369051 TCAGTATCTT TTAATTGGAG CATTTAGATC CACTATTTAG ACCCGTATTC
369101 AACATTAATA TTGATATGTG AGGTACAATT CTAATGATCA TTTTGATTGT
369151 TATCTAGTTG TTTTGTTTTC TTCATTATGT TACTGTTTTA TAAGCTCTGA
369201 GTTTTATGCT TTCAAATGTT TTTATACTGG TGCATATTGA CCTTTCATTT
369251 TGAAATTTAG AACTCCTTTT AGCATCTCTT GTAGGGCTGG TCAAGTGGTG
369301 ACAAATTCCC TCAGCATTTG CTTGTCTGGG AAAGTTTCTC TCTCATTTAT
369351 GAAAATTAGT TTTGCAGGAT AGAAAATTCT TGGCTCCCCA TGGGAGAAGC
369401 ACCAGCTGTG TCTACAGTGA TGGGCTGACA GTTATTCTGC TTTTGAGAAG
369451 ATTAAAGATA GGACACCAAT CTTTTCTGGC TTATAAGGTT TCTGCTGAGA
369501 AATCTCCTGT TACTCTGACA GGTTTTCCTT TATCTTTCCT TTCAAGTTAT
369551 CTGATGCTTT TGTCTCACTA CTCTTAGAAT TCCTTCATTC ACATTGACGT
369601 TAGATAGCCT GATGAATATA TGCCTTGCTG ATGTCCATTT TGCAATGAAT
369651 CTCCTAGGAG TTCTTTGAGC TTCTTGTATT TGGATGTCTA AGTCTCTAGC
369701 AAGACCAGGG AAGTTTCCCT CAATTATTCT CTCAGATAGG TTTTCTGAAT
369751 GATTTGCTTT TCTTTTCTCT CAGGAACACT TATGATTCTT AGGTTTGGAC
369801 GTTTTATATA ATCTCATATT TCTTGGAGAC TTTGTTCATT TCTTTTAATT
369851 CTTGTTTCAT TATCTTTTTC TGATTTGGTT GATTCAAAAG CATTCTCTTC
369901 AAGCTCTGAC ATCCTTTCTT CTACTTGATC TAGTCTGTTT TTAAAACTTT
369951 GCATTGCATT TTGTAATTCC CAAAATATGT CTTCATTTTT AGAAGTTCTG
370001 GTTTTTCTTC AAAAATATGTC TCTTTAGAAA ACTTTCCATT CATATTCTAA
370051 ATTGTTATTG TGATTTCTTT ATGTTGGTTT TCAATTTTCT CTTGGATCTC
370101 ATCGAGCAAC TTAATAGTCA GCATTTTGAA TTTTTTTATC TGGCATTTCA
370151 AAGATTTTGT TTTGGTTTGG ATCTATTGCT GGGAGGTTAG TGAGATCTTT
370201 GGAGGGTGTT GTAGAACTGT GCTTTTTATA TTGCAGAATT ATTTTTCTGG
370251 TTCCTTATCA TTTGGGTAGA CTACTTTTTC TTACTATTTT TGAATTTATT
370301 TTTTATTCTA CTGGGTTAAA AAAAATTCCC CTTGAGAATG TGACTTTAAT
370351 GTTTGCGGTA TAGTCACCTA GCTTAGGCTC TGAGTGCTTT CAGTGGCAAA
370401 GACTTTCCAA GTTCCTTGGT TATAAAACAT CTTTGCACAG TGGCTTTCTC
370451 ATATGCTGGT TGTAGTACCA GTGTGCTGGG TGTGTGAACA GGTTCACTGT
370501 CTCGTGGGGC TGGAATGGCA GAGGTCCCAT GAAGCTTACA TCATTCTCCG
370551 GTGGTGTGTA CTTTTCAGTT TTTTTCCCAT AATATTTTTC ACTGAGTTGA
370601 ACAGTTCAGC TTTTGGGCCA GTAGGAGGTA CCCACAGGTA AAAACAGCTG
370651 CAGCTTAAGC AGATGGATAT ATGCAATACC CCAGTGGTGG ACAGAAGTCC
370701 CAGCCTTGAC AGAAGCAACT GGGGGAGCTC TCCTTGAAAG GCACTGAGGT
370751 CTTTGCAGGA GAAAGGGAGG GAGCCACCTC AGCTTCTCTT CCAGACCAGC
370801 ACGAAAGCAA TCTGCCTCCC TGTCACACTC ATGTCGCAAT GTTCTGGATA
370851 TTCAGATCAG ACGAGGCACT TCTGTGGATC TGCAGAAATG CTGACATTCA
370901 TGTAGAGAGG GATTGTGAAC CTACCCCAAA GTGCTCCAGA AAGGCCATCC
370951 ATAGGTGCAC CCCAGCCAAG CTCCTGTGGA GGAGTCCCAG CCACGTCTGC
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FIGURE 3BBBBB

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371001 AGTGATAGGC AAAGGGTAGA AGTCCCCTTC TCCAGGTCCC TTCACGAGCA
371051 CTGGGGCTGC CCAACTGCTG GGGTAGAATG ACAGTCTTTC TACCACTTAG
371101 CCCAGCACTG CATCTGTGCC TCTGCTGAAA GAAACTTCCC ACAAGCAGAA
371151 AGTTCTAGGA CTCAAAGGCT GCACTCTAAT TAATTTTGTC CCACAGGGTG
371201 CTCCCTTGAT ATGGTACCCT TTCCCTTCCC CTAGGAGTGA CAGTCCCTTA
371251 GGGCAAGACT ACTGTAAATA CTGCTGCTTC TCTAGGTATA GCCACCCTGT
371301 GGGGGCTGCC ACAATCCAGG CTGGTGCTGG GGAATGTCTA CAAGGGATCC
371351 AGTGATGTGA AGATACAAGG GTTGAAGGAT CCTGAGCAGA ACAAAGTCCC
371401 ACAACCTATG TGCACGAATA TGGCAGCCGC TACTACAGCT CAGGCCTAGG
371451 GCAAGAGGGA AGGGACACTA TGCAGACAAG GCAGTGCCCT CAAGAAGTCC
371501 CCAAATCGCA ATCCACTCCT GTACTTGTGC TTACAAGGGC AGAGACACTC
371551 TGCCTGAGTT CAGATGCCAG CAGTCTGCCA CAAGACCTAG AGATGCTGAG
371601 AGCACTCCCA CCTACCCTTT CCAAAGATTA CTGAGCCTCT GGGGGTTTGA
371651 CCTCTGCCAG CTTCTTGTAA AATAAAGCAC ACTTTATTTT GTGGCTGTAT
371701 CATAGATTCT CCCAGTGAAC TCTGTGATAG GCTCTAGCAC TCTCCCCTTA
371751 ACACTCCATT TGGGCTATGA TTATTCACCT ATAACTTTGG TTCTTCCTTC
371801 TGAGGAGAAT TGGTCACCCG TGTCTCTTAT CAGCAAGCTG GAGAAGTTTT
371851 CTGATGCCAC AGGCTGTGGA CAGGTCTGCA GGATGTGCAG TGGCTTGGGC
371901 TCTGCTCTTA GCTTCAGAGG GGAGTGATGT TGCGTGGAGC TGAACTGAAC
371951 TTCCTCTGGT CTCCCAAAAG CAAGTGCAAG CACCAGCTCT GATGAGGGTG
372001 GCAGGGGAGC GACATAGACT CTGTAAGATT TCTTTGGTTT TAAATAGCCC
372051 TAGTGTGGCT CAGTGAGTGA GAACTCACTG AATATAGTTC TCAGATGCCA
372101 GCTATGGAAG TAATGTGCTG GGCACATGAA CAGTCTCACC ATTAAGTTTT
372151 TATCTAATGT GTTTATCCTT AGGATGAGGC CAAGGACAAA GTACAACCAT
372201 CAAAGAATCC CTTCCAAACC TATCTTTACC CATTAGTTAA CCCCATCTAG
372251 ACAGGATTGT AATTTCTAAG TATTCACATG ATCCCAGGTA AATCAACATC
372301 AAAACCAGGA GACTTGGTCA GATTAAATGG TATGGGGCAA AGAAAAAGGG
372351 GCATATTTCC AGTGTGTTGA AGCCAACATG CCTGGGAGTA TAGTGTATCA
372401 CTGAAACACT ATACTCTGAA ACACTGAGTT AGTAGGGCAG GCAGTTTTCA
372451 AATCAAGATG ACACATCTAA TGTTGAACAC TGTGGGTTGT AAGTACCCAA
372501 CCTGAGCTAA AGATGAATAT TTCACAGTTA TTTGCATAGG AGTGATACTT
372551 AAAAGACATG AGAGTAAATT CATTCTTTGA GAGATTATAG GTAAAGACTA
372601 AAAACCAGGG GCCAAGGATA ATACATCATA TGTCTATGGC ATATAAGTAT
372651 ATGATCTTAG GAGAATTAGA AGCTAGTCCT AGCACATTAT CATGTACATG
372701 AAAAGTTGAT GTAAGAGAAC CATACTGGTT TGCAGCACCT GTATAAAATAC
372751 AACCATCCTA ATTTTCCTAT TATCACTTCC TCAAACCCAT GATTGCTGCT
372801 TCTGACACTT TAGAAGCAGT GTCTGAGCTG ATCTTAGTAC CATGACCAGC
372851 CCCATTAGCA CTGCTACCTC CTTTACCATT ACAACAGAGT ATCAGCAGCA
372901 GTGGTGATCA CCAGAAGACT GAGTGTGAGT CAGCTCCAGT AGCCAAGCTT
372951 AGGAGAAAAG GCAGGTCAGT TCGATAGCAT GAAGCCACTT GGAGATGTGG
373001 AAAGGTAGAG CTGTGACTAG AGCTGGCAGA GGCATAAGCC TTGGAAGGCT
373051 GGTTGGGGCA AGGTGAAAAA TGGGAAGGAC AGAAGGAGGT AAAGAAGCCA
373101 GAAAAGGCAA AATTTTACCA GGTTCTTTCC TCTTTACTGG AATTTGAATT
373151 TTGTCCTACT TGCCTGTCTT GAGACTTTGA CTGACATAAA TAAATCTTAA
373201 GACGAAAAGG GAACAAAAGA CTGAAAACAG CTCAAATATC TTTTACTTGA
373251 AACTGGGTTA AATAAACTAT GCTCCTATAA AAGGAATGAG AAAATAGCTCT
373301 CTATATAGCC GTGAAGTTGT TTCTAGCATA AATTGTTAAG TGAAAAAGAC
373351 AAAGCAGAGC CAGACGCCGT GGCTCACGCC TGTAATCCCA ACTCTGGGAG
373401 GCCAAGGCGG GCAGATCATT TGAACCCAGG AGTCTGAGAA AGTTGAGAAA
373451 CAGAAAGTTC TAGGACTCAG AGCCTGCACT CTACCAAACA TGGTGAAAAC
373501 CTGCCAGCAT GGCAAAACCC TGTCTCTACC AAAAATACAA AATTAGCCAG
373551 GCATGGTGAT GCGTGCCTGT AGTCCCAGCT ATTTGGGAGG CTGAAGTGGG
373601 AGGACGGCTT GAGCCCAAGA GATCAAGGCT GCAGTGAGCC AGCATCACAC
373651 CACCTCACCA GCTGAGCACG ATCTTGTCTC AAAAGCAAAA CAAAACAAAA
373701 AAAAGATAAA GCAGAGAAAA GCGTGAATAC TATGCTAACA TTTTTCGGGA
373751 AGGTGGCAGG AGAGGTGGGA AAGCGTCCCT TTATCAATAT ATCCCAGCTA
373801 ATGAATGAAG AAGGAATAAC AGAAATAGGA TAGCATCATT TTGCAGCCCT
373851 TCATGAATCA AAAGACCTGG ACAATCATAA GTGGCTACTA ACACATGAAA
373901 AGAAGAGCAG CCATACATTA TGTGCATCTC AGCAATACCT ATGAAGTACT
373951 TGTTCAAAAA AAAAAAAAAT CAAACCTGAA ACTCCCCAAG CCTCTAGATC
374001 TTAATACAAG TTAATAAGAA ATACAGGAGG CAGGAGATGT TAAATAACAC
374051 CAGAGGGATG CAGGAAGCAA AATAAGGAAT ATGGAGACT GGATAGGATA
374101 TATAATTCTG TTTCTTGAAC ATAAATTTTA CAGGAAGAAA GAAAAGAAAA
374151 TCCCTTAGAT ATGAGATATA GTAACTAAAT GTAATGTGTC ACACCTATTC
374201 TGATCCCAAT TCAAACCAAC CATCTGTGAA ATATACTGAC TGGTAAATGT
374251 GAACACTAAC TAAATACTGA TAATGTTAAG GAAATGTAGC TAATTTTAAT
374301 GTGGCATAAA AGTGTTACAG TATATCTTTA GAAATACACT AAAATATTTA
374351 TGGGTTAAAT ATTGTGATTC TGAGATTTGC TTCAAAAAAT TCAGTGCAGT
374401 GTTGGAGATA GGATTACAGT GTAGATGCAA CAAAATTGGT CATGAGTTGG
374451 TCATTGTTAA AGCTGGGTAG CAGGCGAGTG ATTTCACTCT ATACTGTTCT
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FIGURE 3CCCCC

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374501 CTGTACTGTT GTATGTGTTT GAATTTTCTA TCGTTAAAAA ATATTAAGAA
374551 GAAAACAAAT AGCATTATCT TTTCCCTAAG TGTTCACAAT CTCCTCTGTC
374601 TCCCCTTTCT CCTATTTTCT AAGGAGAAAG AATTGAGCAA GTTTACAAAG
374651 TGGGGTGGAG CTGTTGTGAA AGATACTTCA AATCATTTTT TAGCTACTCA
374701 GAATTATAGC ATGAAGTCAA AGTTCTCTAG GCTTGAAATG CTGTGTACCT
374751 CATTCTTCCC CTCCAACACA TATTTCCAGT TATACGGCACA ATTTTAATTG
374801 ACTGTAGGGA CTATCTTCAA ATAACATTTC CATAAACTTC CAAACTGAAC
374851 CGCCCCAGAT TGGAGTTTTG TAATCTATTA GCCATTCATG ACCCCTCCCC
374901 TACCCACAAA AAAAGTTGTT TTTGTTTGCT TTCTCTTCTG ATTTTCATTT
374951 AGACTTCTTT CTTTGCCAAT AGATTTAACA CAAAGATAGC ATTTTCTAAC
375001 TTTGACCATA ATCCATACTG GAATCATCAT TCAAAAATAA TGGCCTAATT
375051 GTTCCTACAA ATTTCATAAT CATTTTCAAA GAAGTTGATT GGTGGCCCTT
375101 GAGGCTTTTC AACTTTATCC TATTTTGGAT GATATCTGTG GCCTAGAAAT
375151 CAGTTGTATA GCCCAAAATG TTACCTAGAC TACTAATGAA CAGCAAGGTC
375201 TAAGGAAATG GCAACTAGAG GCCGGGCGTG GTGGCTCATG CCTGTGATCC
375251 CAGCACTTTG GGGGGCCGAG GCTGTCAGAT CACAAGGTCA GGAGATCGAG
375301 ACCATCCTGG CTAACGGTGA AAGCCTGTCT CTACTAAAAA TACAAAAAAT
375351 TAGCCAGATG TGGTGGCGGG CGCCTGTAGT CCCAGCTACT CCAGAGGCTG
375401 AGGCAGGAGA ATGGTGTGAA CCCCAGAGGC GGAGCTTGCA GTGAGCCGAG
375451 ATTGTGCCAC TGCACTCCAG CCTGGGGGAC AGAGTGAGAC TCCATCTCAA
375501 AAAAAAAAAG AAAAGAAAAA AGAAAATGGC AACTAGAAAC AAGCAGCCCC
375551 ATTGCAGCAC GCTGAACACC GTTTTTTGGA AGCATGCACC ACTGAGCAGG
375601 AATTCCAAAA TGGCACCTTT GCAATAGTAC ATTTTGAGGC ATTGTGTTGC
375651 CAAGACAGAA AGAAGAGAGG AAGCAGTGTA TAAGCACCAC AAATTTACAT
375701 ATACATAGAA AAGGATAGAG GGCAGTTTTT ACATCCTCTC TCTCATTTCC
375751 TCCACCAACC AACAATCGGC CTGACTCAGA TTACCTATCC AGCCCTCCTA
375801 AGGATCTTCA CTTCCTCCCC CTAGAAAACT ACAGAGTTGC TCTGTTGTCA
375851 CAGTGTGAAA ACACACACAC ACATGCATGC GTGCGTACAC ATACACACAC
375901 ACACACACAC ACACTTGATT TGGTGCATAG GAAGTGACCT AATTCAGTTT
375951 GTCCTCATCA TAGTGACAAC TAGACTGAGC CAATCAGAGA CTTTCTGTAG
376001 GGTTTTGATT ACTGGAATTG AGAAAATGAG GGCTTTCTGG TGGGTGAAGC
376051 TGTGAGATGT AAAAACACAGC AACTGTTCCT GGTCATGTGA AGCCAAAGTA
376101 CGGAGAGAAG CAGAGACAAA AACTCTCTTC ATCGAGACGG AATCCCGATG
376151 GCATCCCAGG CCCTGCTTCC AGCTGGTCCG CTGAGGCCCA GCCACACTGC
376201 TTTCTTTAAG TTCAGTTCGA CCCAATAATA TCATTACAAT AAATTCCTCC
376251 TTTTGGATTC AAATTGGCTT TCCATCCCTA GCAGTTCAGC CCTAATATAC
376301 AGCAGATGTC ACAACTGATT TCACATATTT GGAGAAATAG GAGTAGCTGA
376351 GACAGAATTT AGTCTACCTT GCTCAGAGAC ATTCACAGAT AGTGTGAAAA
376401 CCACTCATGA GTCCCCTTTG CTTAAAGTTA CCCTGGTCAT GTTTATTACA
376451 GCATGTAAAG GTACATAGCC TTAAAGTCTT TTCAGGACTT GGGATTTTTC
376501 TTAAAGAAAA CAAATCAAGA GTGTTCATTA AAAGATTGAT ATAAAAAATT
376551 AATAATTCTG AAGTTAACCC AAAACTTAAT GTAATCTTCC ATTGGAACAT
376601 TTGTTGATGT GTGTGGGGGG TTTAAATTCC ACAAATATTA TTAAAATGAG
376651 CAATCAGCAG CAAGATGTTT TAAAATATTT TGTTTCCGCA TGTAAAAATCT
376701 CGTTTTATTA CAGAATTATT TTGTTAAAGG CACAGCTATG CCAGGTTGCT
376751 GCCAGAGTGA TAGGATCATA ACAGCCCAGT TAATTTTAAA AGACTCACAA
376801 GTGGTAGGCC TTGGAACTAC TGATGGCAAC ATGTACATCA CATTTTAGTA
376851 TAATGCTTAA ACTTACACCA CATCTTGTGA ATTTATATGC ATCTGCCAAT
376901 GTGTGTGTGT GTGTGTGTGT GTGTGTGTGT GTGTGTCTGT GCACGCATGC
376951 ATGTAGATAC ACATATATTT ATTTCAAAGA GAAGAGAGTT GGTGGGAAGT
377001 AGGACAGACT TGTGAAGTAA TTAAGAATTT CTACTGGCTC TCACATTCTT
377051 CAGTGTAACT TAAAATGTGT ACAAAGATA TCTTGAATAC ACTGTGTCAA
377101 AACTGGTCTG GTTTCATTTC CAGTTAGTTG CCAGCATGCT AAAATGGAGA
377151 TGCTTGCTAC CAAGGTGTAG CTTGTCTAAA GTTTAGTGAT TAGATCTCCA
377201 AATGAAAAAG TACAGCCTAA AGAGGAAATT CTTGGCACTT GTTTCAATTA
377251 TCTCCTCTTT ACAACATTAT AGGGTGCTTT CATGTGTATG TATTATCATT
377301 CATAGTAGAG AGTACATTGA CTAAGATTGC AAAATAGTTT CCATTGTATC
377351 ATAATCCCCT TGTGTCCAGT TGACTCACAT CTCTGAAAAA TTTCTGCTCA
377401 GTTACAAATG TCTGCTGGTC TCTTTCCAAT GATACTTTGT TTGTTTGTTT
377451 GATGGTTGGA AATCTGAAGA AAGTTCACTT AGTTAAAATG GTGATGTAAA
377501 GTATATGAGT ACAGTCCTAA AATTTACTAA ATGTACATAC TCAAATTTAC
377551 TCAACTTTAG GTCTTCAGAT TTTAAAAACT AGATGAATAA TCTATCCTTT
377601 AAAAATTCAC CATTAATTCT TCAAGTATAC CAACTGCTGC ATTTCTAATA
377651 CCAAAACAAC CTTATCAAGT GATAATTTAA TTACACCTTT TAAATGAAAT
377701 TTTAAAACAT GATTTATTCA TGAAAAACAA GTAGTTTCAT CCACCCTTCT
377751 TTTTCTACAA CTCTTTGCAT ATCTGTGGCC TGCTATTTAT TACAGCCTTT
377801 CTCATAATTT TTAGTGTAGG CTTAACAAGC ATATAGTTTT AAATCTTTCT
377851 TTAGGAGACT TTCTGGCTTT TCTCATTGCT GAATTCGACA CAAACCTTAT
377901 TCTCTTATTA GCATTCTTGC AAGGGAGTTT AGGTAATAAT AGTTAAGAAA
377951 GAATGTTTAA GTTTGATAGT ACATTAAATA ATAGACAATG ATCAGAAGAG
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FIGURE 3DDDDD

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378001 GAAAAAAATG CATGGGTATT TTGGTTAAGG TTTTCAAAAC CTAAATCATC
378051 TTTATTCTCC ACCTTGGCCT GAACAAAGAA TAACTATAAT GAAAATTTGG
378101 CCTATGTGGC TTTTACACGT ATGTGTTATT TCCTTCCGTT ACCTCACATA
378151 TATAATTTTT TGTTGTTAAA ATGCAACAGC TGGATCTCGC TATTGGCTTT
378201 CAGATCAGTA AAATCAGAGA TTGCCCTTTC TTTGCTTCCT TTTTAGTGGA
378251 CCTGCAGGAA ATAGAGTTCA GAGTGTACCT CACTCCTTAC AAGACAACAG
378301 CCCATATAAT TTTGCAGATA AGGAAACAAC TCCTTCAGTT TCTAAATACC
378351 CAGTATATAG TGTTGTTATC AAACATCAAC ACCTGTATGC ATTTAAATTC
378401 ACTCACAGTT TAAATGAAAT TACACATAGT TAATACATGC CACTTGTAAA
378451 GTCTAATCTT ATCTTGGGAA CTTGGATTTT GCATTCCTTA ACTAGTGTGC
378501 TTAAATTTTC AGTTGTATTA TCCTATGTTT TTTTTGTTTT TTTTTTTAGT
378551 AGATGAAAAT AAGACACAGG TGTTTAGGTT TCTCTTCATG TCGATAAAGA
378601 TCTAAACAAG CATTTAGTTA TACTTAGGAG CAGCTGTTGA AATTTTCTAG
378651 GGTACAAAAG AAGGATCTAA CAAAATAAAA CCCACTCACC TCTAGCATGA
378701 TTAGCTCCAT TTTGTATTTT CTGTACTCCC CAACTGTGAT AATTCCAGCC
378751 AAACTGTATT CTGGCCTAAG TCATCTGGAA GAGACAATAC CAGGTGTTAT
378801 TATGAAGCAT TCAGAGGATT TAAGAAGATT TGAAATATAG TTACTATAGA
378851 GCAGTGATTC CTAACCCCTT TTTGGTTTTG GATCCTTTTT AGACTATAAT
378901 GAAAGTTTTG AACCTTCTCT ATAGAAAAAT ATATAATATG TATACATGGG
378951 TGTATGTTTT CATAAGTTTC AATGTATTCT TAGATCCATC TAGATATCCA
379001 TAGACTCTCA GTTAAGAATC TTTACTATGT GGCCAACAAA CACACAAAAT
379051 TAGTGAAATA CCAATTGAAA TAGTATCTAG TTCATGTAAC AAAGATTGCT
379101 TTATTATTTG AAATTAAAAC AAAATAATAT AATGTGAGCT TCTAAATAAA
379151 TGGCTTATAA ACAACATAAG TATTACAAGT CAGAGGAAGC AGAGACCACC
379201 TTAAAAATAT AAAAATAAAA AAGATACATG AGTGTATACT GGGTATTTTC
379251 AGAATATCTT ATGTAATTGG GATGATGTGA TTTCACCTCA TTTACATCCT
379301 TATTTATTTA TATGCTAGAT GGGAAAAAAA AGAACTTTCT TCCAAAAAGC
379351 ATACCACTGT CAATGAGTAT GACATGCATA AAATAAGTGT AATATAAATA
379401 ATTCTATTTT CTTCTCACTC TATGTTATGT GCTAATGGTA TACTTATTGG
379451 TTACTCACAA GGACCTATCT TCATCTGCCC CTTAGCTAGC TACAGATTGT
379501 CAAGTCATTT TTTCCCCCTG TTTAACACAG ATAGCCATTA ACACCATGTC
379551 ATCTTCTTTA AATGTAAAAT CATTTAGGGA TGCCAAGCAA ATCTGCTGAT
379601 TAGCTCAGGC CAGCCTACAC CAGATTGGAG AATGGGAAAG TAGTGAAAGA
379651 CACGCATTAC AGATTAAGAC TGGGTATAAA GAGAAGACTC TAACAACCCA
379701 CCCCCCACCAA ATATGCCACA CAAGTGCTCA GAGAGACCAG AGTCCCAAAC
379751 TAGACTACCC AGGTGAAACT ACAGAGTTTC ACAGGAGGCA GCTTTATGTG
379801 TGTGTCAATG GGGCAAAATG TGAGGGCTGG CAGTAAAGAA GTCTGACAGA
379851 TGAGGAAACA TGGGGAATAT TAAAACCAGT TTAACACACT TGCCCACACC
379901 ATCCCCCGAG CCGCTTCCTC CCAAGCTCCC AGAGCACCAG CAAGGAGGTT
379951 GAGACACTCT AGACTTGGGG AGGAGTCTTG AAGTTTTTCA GGAACTTTGC
380001 TTGCTTTCTT CTCCCAAGGA CATCCCCTGT CCTCCTCTCC TCTTTGCCCA
380051 GGACCAACCT CAAGCTCTCC CATTACATGA GTGCTTTTAC CCAAAGTGTG
380101 GTGCCTCTTC CAGAGCTGTC AGCTTTCTGG CTATAGCTTG GATATCAGCC
380151 CCACAAGGAC CCACAAATAC AAACCTCAAC ATAGGATGAC TTACTGTGCC
380201 TGATACGTTT TTGCCTTTTT AGTCCCATAGT AGACAATTAT CTTGACTATA
380251 ATTGTCCCAG CAGGAGCTGC CTCTGTGTCT GTGTATATGC GTGTGTATTT
380301 TTTTTTTCTA AGGCAAAAAC TAGTTTATAT CTTTGTTCAA AGATGACCTT
380351 AGCAGGAGAC CTTTTTTTTT TTGGAGTTGA TCGGTAGGTC AAGCCATGTG
380401 CTAACCTGGC TTGTCTGGGT ATGTCTGGGA AGCAGAGCAG GACCAAGGCT
380451 GCAGGGCCTT TATGGAATTT CTGTGCTAGG AAGGGAGATA GACATTTAAC
380501 ACAAATATCT CTATATCTTG ACATTTGCGA TATGGCAGGA AAGTACAGGC
380551 ACCTATGGGA CTATAAAACT GATCCTAAAA CAAGCAGGCA TGAGGAGGTA
380601 GTGAGGTCAC CTCTAGGAAT GCCTCCTCAA TGGAAACATT TGCACTGAAC
380651 CTTGAAGATT AGGTAGATGA GCCAGTGCTT TTGCACACCT TGTTCCATGA
380701 AAGCAAGACT GTTTTTTTAC TGTTGTATTC CCCAGTGTCT GCTTCCTTGT
380751 AGGTGATCAA TAAAGATTTC TTGAATAAAT GAAAGAATAA GGGGCTCCCA
380801 ACATCTGTTT GCTCTCTTAT CCCTCTCCTT CCCTACCCAG TGGTTCCTGT
380851 TCTCTCCATT CCCTTACCAA CTGGTATGTT ATTTTTAAAA CTAAAAATAC
380901 TCTGTTTTAT CATATTATTA TTCAATTAAA GTTAGAAACA TTTAAAATCC
380951 CCATAGATGC AAATGCTAGA ACAATGAAAT AAAAGCTCAA GATTTTTTCT
381001 GCCCCCAAAG CTCTGTGGAA TAATCAATTT TATAAATTTT TAAAAAACAA
381051 AAACTATTTG GAAGGCTGAA GCAAGAGGAT TGCTCCAGCC CAGGAGTTCA
381101 AGACCAGCCT GGGCAACATT GCAAGACCCC GTCTCCTAAA ACAAATAAGT
381151 AAATACAATT TTAAAAAGGA AAAACTAGGC TTCACCATGC AAGTTTATAA
381201 TGAAAGGTTA TACACTGAAT ATATACTTTA GCTATATATT TCAAAGACCT
381251 CAAGATAACG TTAAGGCCGG GCATGGTGGC TCACGCCTAT AGTCCCAACA
381301 CTTGGGAGGC CAGCTGGGGA GGACCACTTG AGGCCAGGAG TTAGAGACCA
381351 GCCTGGACAA CATGGTAAGA CTTCATCTCT ATAAAACATA AAAAAGCCAG
381401 GCGTGGTGGC ATACACCTGT AGTCTTAGCT ACTTGGGAGG CTGAGGCTGG
381451 AGGATCACTT GAGCCCAGGA GGTCAAGACT GCAGTGACCC ATGTTCAAAC
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FIGURE 3EEEEE

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381501 TACTTCATTC CAGCCTAGGT GACAGAGAGC AACCCTGTCT TCAACAAAAA
381551 CAAACAAACA AAAACAACTT TGAATCAGCA AAATTAAGCA ACCAAGTGTG
381601 TTCCCCTTCT CTAATGTCAT TAAGCTTTGA GTGTGTCTTT ACAGAAATTT
381651 TTATTTTCTT ATGTATGGCA TCCTAGATTG TATGACTTTA ACATAATCCC
381701 AGATGGATTA ATTATCATGA AGCCTATTTT GCAGACGATT CAAGGGAATT
381751 TAGCCCAAGA GCAAAAGTTA GGTAATTCCT TAAATCTGAA ATCTGTCCTC
381801 TGAAATACTA CTCTACTCAC CGCTTAAATG GTTTTCAGTG AAGTGGCATT
381851 TTAAAAATAA GTGCTGCTTG CTTTACCTCT GAATTCCCTT CTCCAATGCC
381901 ATTTTACTCC CTGAGCTGCT TTCTTGGCAG TTTGGGGCAC CCCTTGCTGT
381951 TTGTGCCTGT GACAGTCTGA CTTCCATCTG CTGCTCTGCA GCCAGGAGCC
382001 TGCTGTGCTC CCTTCAGTCA CATCTTTCAT GCCTGGCCAT TCAAGCACCT
382051 TTCATCAGGT CTCAATGGGC CTGGGTAAAG GGCCCTCCCC CTGCATCCAC
382101 ATGAGCACAT AATCTCCCAG GTAGCCTCCT CCTTGAAGCA CCTCCAGTGC
382151 ATGTGTTCGC AAACAGCAGG ACATCACTCT CTACTGGGTT CCTAATCCCT
382201 CAGACACACA GAGGAAGGAG GTCGCAAGGC TGTGAAAGTG AAAAGAAAAG
382251 CGAGGGGGCG GGTGAGCAGA GGCAACACAA TGTCAGCGCT TGGGCCCTCC
382301 AGCGGCTGCA CCACAATCAT CGGCCAGCTGC AGCCCAATTA AGCTCAACAG
382351 GTCACAGGTG TTCCAGACAG AAGATGCTTT TAACAAAACC ACTTTCTTGA
382401 AAATACCTAA GACTTTTTGA AGCACTGCAG CCCATTTCTT TTGGTAGATT
382451 CTTTAAAGCT ATTTAGTACC CTTCAAATAC AAAGAAGCTG AGAAGCACAT
382501 TTCGGCCTCA GTGGAAGGCG TGCTTGCTTC ATGCAGAACA GCGGGGGGCAG
382551 CAGCCAGGCT GCCGTGACCG AGCGCAGAGA CAGCATCTCT GCCAATACGT
382601 GGATTCAGTG TGCAGCTGCA GAAAAAGGAC GTGAGGGGTG TCTCCCTCCT
382651 CCAGCTTGGT CGCGTCTGAT ACTGTAGCCT GAACTGTGCA GTTCACTCAC
382701 TCACACAAGA AATTGCTGCA TAGCCATGAC CTTGTGTGTA CTCTTAAATT
382751 ACAATCTCTA GGATGCAGTT GTAGTTTTCC TATGAACTTT TAAGCAGCCC
382801 TGCCACATGC TGGTTAAACT AGGTGAATGA ATTCAGCTAT CAGGAACTAC
382851 TTTTCATCTT CTGACACATT TTAAAGTGCT GGCTTCATTT TCTCCACAGA
382901 TCCAAGTGTT CCCTGTGCCT GCCAGAAGTG TGGGGAGGGG ATGACAGGAT
382951 CCAAGCAGAA ATTAGGTAGT TGTTTAAGTC ACCTTCGGAC CTTTGTTACC
383001 CTTCCACCTT TCTTTGAGGA TATCGATAAT CTCTGAGAGG CAGTTAGGAA
383051 TGTAGTGGGG AAGGTCAAGT TAGAATTTCG GCATCCCTAT TGGAAGGGAG
383101 CGGTTCTTGG TTCCCCTACT CCTCAGGCGC ACTTACAGCA GCATCCCTTC
383151 TTCCCACGCC TGTGTGCCAC TCTCATGGGT ATGTTTGCCT GTTGTCATTA
383201 TTGTAACCTG TTTACAGCCA ATAGCGAGGA CATGCTGACG CTACCCAGGT
383251 CTTATCTGGA AATGGAAGCA ACTAGCTTAAA TTTACAATTG GGTTTCTAAT
383301 CTGTCAACGC ACCAGAAAAG CCCCTAGTAC TACTGTGAAA CTGAAAAGAA
383351 CATGGGAAGA GTTAAAGCAC AGCGGGAATG AATACCCAGA ATAGGGCCCA
383401 ACGTTTTCAG CTTTTCCTTC CTGTTGATTA GTTTTTGGTA AACAGTCTTT
383451 GCCTTGACTG TTACTTTTTA TCACGTCATT TTTTTAAATT ATTACTGCTT
383501 GCTTAGAAAC CATGTTGGTT TTAATTTTCA CAATACGCCT GTTTCTGTTT
383551 TGCTAAGCTG AGCCACCTGT TTAAACTCTT CTTGTCTCAT GAATTGGGGG
383601 AAAGAACCGT AGGCAATGTA TAAGAGGTTT CATTTTTTTC CACAGTGAAG
383651 TAAGACATTG TTCTTATTCT TCATGGCATT CAGAATTCTG CACAATTGCCT
383701 TCTTTTGCCC TTTTGCATTT AAAAGTGAGG TAATTAGATT TCCCAAGGTT
383751 CAATGGTCAA GAGCCTTCTC ATCCCGCGGA GTTGCTTCCC CACACTGCTC
383801 ACAAGTGGAG CTGTCTCGCG TAATCCAGTT ATTGCTATAT TGTTGTTATA
383851 AAGGAACTGC TTTTTCAGAG AGCTAGCATA GCATGAAACT TTATACTCAC
383901 ATGTCCCTTT GCTTTCATTG CTTTTTTCCC CACATTTGAA ACTAATTACT
383951 ATTTTATTCA GTGTCTGTGA GGATTTCTAA ACATTTTTGT TAAAAATCTT
384001 TTCCTACGTC CTAGGAATTC ATTTCAAATA TGCCTAAATC CTTCACATTG
384051 TGAGATCCTG CCTTTGTTGT TTTATGTTTT TGTCAGATAT TCGATCGTCA
384101 GATCTATTAT TACTGCTGAA CAAATGGAAA GAAAATTTGT GACATGTTGG
384151 CACCAAATAA ATTAGTGTCA TAGCCACTGA AACAAAGGCA TGTCTTCGTC
384201 TAGCTCTGAC AGTGAGATCT TGGGCCCACT CTGCTATTTT TTTGTCTTAT
384251 TTTCTCATTT TCACAAACAG ATAATGTTTT ACCTTTGCAA AAAGCTGTAT
384301 ATATATATAT ATTCTAAAGC TTGGATATCA ATTTTTTTTT CTTTTTTTTT
384351 TCTGAGATGG GGCTTCACTC TTGTTGCCCA AGCCAGAGTG CAATGTCACG
384401 ATCTTGGCTC ACTGCAACCT CTGCCTCCCG GGTTCAAGTG ATTCTCCTGC
384451 CTCAGCCTCC CAAGTAGCTG GGATTACAGG CATGCACCAC CACACCCGGC
384501 TAATTTTTTG TATTTTTAGT AGAAACGGGG TTTCACCCTG TTGGCCAGGC
384551 TGGTCAGGTA TCCATTTTTT AGTCAAAACT GAATAAGATG AAATACTCAG
384601 ATTTATAGAG CTGGCCAAAA CGTTTTTGTT TTTATGACCT AATAGCAAAA
384651 GCAATCTTGC TGGTAGTTGG CTAGTAATTC ATTTCTATGA TGTAGTCTGC
384701 AGCCTATGGG GGAAGAGGAC AAGATGGTGA AGGGATTAGG GGAAAGCTTC
384751 CAAAATCCTT TTTGCCAAAG AAGTTAAGGA GCTTGAGCGA CCCAGGTTTT
384801 CTCTCTAAAT GGGTTAGTTT AACATTCCAG ACAGTCTGTG ATTCAAACTT
384851 GTCTATTCAC CTATACATCT ACTCAGCAGA GTTCTTTATG GCCTCATAGG
384901 AACAATTCAG CTGAATTCCC CCATCACTGA AACTGTTCCA GACTTTATCT
384951 ACTTTTGCTT TTTGTTTTTT AGAGACAGAG TCTTGCAGTG TTGCCCAGCG
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FIGURE 3FFFFF

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385001 TGGCCTTGAA CTCCTGGGTT CAGATGATCC TCCCATCTCA GCCTCCTAAG
385051 TAGCATGACT ACAGGCCCAC ACCACTACAC CCAGCTCCAT CTGCATTTTG
385101 AATGTGATGC CAGCAGAGTG ATGAGCTTTG TGGTGGTCCC TGGGTTCAGT
385151 GTAGATACAC ACACACACAC AAACACACAA ACACACACAT ACTTATCTCA
385201 TTAGGTTTTC CTATAAACTT TATAGCTAGT AATGAGAAAG GTCCTAGTTT
385251 AAATTGAAGG GTTTTTTCCC TCAGTTTCTG TAGTATTCAT TCCTAAATAG
385301 AGAGATATGT TGACAGATTT ATCTGAAAAG ACCTCATTTT TCCAAAGCTT
385351 AACACAGAAA GGAAAATCCC GTAATCTTAG GTTAGTTTCA TCAAGTGAGA
385401 CAATAAATCG CCATTTGCAT AATTTTTCTTT TTTTAGCAAA GATTCCATTC
385451 TAATTCTCCA AAATAATATA CAGTCATGCA CCACATAATA ACATTTCAGT
385501 CAACAATGGA CCAGATACAT AATGGTGGTC CCATAAGATT ACAATATTAT
385551 ATTTTTGCTG TACCTTTTCT ATGTTTAGAT ACACAAATAC TTACATTGTG
385601 TTACAGTTGC CTGCCTACAG TATTCAGTAA CATGCTGTAC AGGTGTGTAG
385651 TGTAGGAGCA ATAGAATAGA CCCTATAGCC TAGTGTGGAA TGGGCTATTA
385701 CCATCTAGAT TTGTGTAAGG ACAGTCTGTC TACACAACAG TGAAAGCACC
385751 TAACAATGCA CTTCTCAGAA CATATCCCTG TTGTTGAGCA ACACATGACT
385801 GTATGTTACT GCACTGTTTG TAAATTTTCT GAAGTTGTGC TCCATTCCAG
385851 TGCAGTTTTT TTCTATGACA ATACAACAAA GAAGCTCCTG TTCCTGTGGG
385901 ATACATTTTG ATACCGAAGA AAGCATCTCT CAAAAATAAC AAAAGCATAG
385951 CTGTATTCTT GCTAGAATTT CTAATTTATG TTAGAAATTA GTTCTACAGA
386001 AAGAACTAAA TGCAGAGTAG TGCTCCAAAC TGAAAACATA GCTTGAGATG
386051 AACATACATC ACAGTATTAA ACAATTTTAG TTATTTACTT TCTCTTCATT
386101 CTAAGAACTT AAGAAGACCT GACAACATCT GGATCAGGGG TTCCCACCAC
386151 CCCCAGGCCA TGCACCGGTA CTGGTCCGTA GCATGTCAGG AACCAGGCCA
386201 CACGGTAGGA GGTGAGCAGT GGGCAAGTGA GCATTACCAC CTGAGCTCCA
386251 CCTCCTGTCA GATCAGCGGT GGCATTAGAT TCTCATAGGT GTGGGAACCC
386301 TATTGTGAAC TGTGCATGTG AGGGATCCAG GTTGTGCGCT CCTTATGAGA
386351 GTCTAATGCC TGATGATCTG AGATGGAACG GATTCATCCT GAAACCACCC
386401 GCACTCCTCC GCCCCCTGTC CATGGAAAGA TTGTCTTCCA CGAAACCAGT
386451 CCCTGGTGCT AAAAAGGTTG GGGACTGCTT ATCTAGATCA TATGAAACAT
386501 AAGTAACTAA AAATACTATA GATTGGCCAA ATCTGGGGAA GATGAACATA
386551 GCATGCATCT TTTTGAAAAG GTAGTTGTAG TTAAGTAACT ATTCAGTTCA
386601 GCAAACATAC CTTGACTATT TACATAGCCA GAGCACAAGT AAGTGCTTTG
386651 GCTGCTACCA CTGTTGCTGC CCTTTGACCC ATTAAACACA CTGGCCTCCC
386701 TTCCGTCTCT CATGTCCTCT CCCCATCTTC TCAGAAACAC AAGGAATATG
386751 TCTATATGTC TATTCCTTGT GTTTCTGTCC TCCACCCGCT TCCTTTTTCT
386801 ATTTTGGAAT GGGGAGAGCA AAAGTAAAAA GCTATGCTAA TAAGCAAGAG
386851 CCATAATGTG CCCTGATTGA GTTGTTTGGT ATCTCCCAAA GTATGTGCCA
386901 AAGATCACCA TTAAACCATT TATAGATATT CTGCCAGAAA TAGGAGGGGA
386951 AGAGTTCTAT GGGAAACAAC AAGTGTCGTA GTCCATTCTG GCTGCTATAA
387001 CCAAATAACT TAGACTGGGC AATTTTTAAA TAATACAAAT TTATTGCTCA
387051 CACTTCTGAA AACTGGGAAG TCCAGGATCA AGGTGCCAAC AGATTTGGTG
387101 TCTGGTGAGG GCCTATTCCT CATAGACATA CCTTCTAGCT GTGTCCTCAC
387151 ATGGTGGAAG GGGCCAACCA GCTCCATCAG GCTTCTTTTA TAGGGGTAAT
387201 AATTCTGTCA GTGAGTACAG AACGCTCACA ACCTAATCAC CTCCCAAAGA
387251 CCTCACTTCT TAATACTAGT AGCATTGGAG ATTAAGTTTC AACATATACA
387301 TTTTGGAGAA AAACATTCAG ACCATTGCAC TGGGTTAAAG AAAATCAAAC
387351 TGACCATCAT TAGTAGCCTT TGTAAAACCT TTAAAATTCT ATTGTGCACC
387401 ATGGGGAACA GAATATATAC AGGTTGAGTA TCACTAATCT GAAATCCACA
387451 GTGCTCCAAA ATTCAAAACT TTTGAGTACC AACATAACAC ACAAAGGAAA
387501 TGCTCATTGG AGCATTTTGG ATTTCAAATT TTCAGATTAC AAATGTTCAA
387551 CCAGTAAGTA GAATGCAGAT ATTCCAAAAT CTGTAACATG TCTGGTCCCC
387601 AGCATTTCAG ATAAGGAATA CTCAGCCTGT ATAGTGTTGC CCAAAACTTA
387651 TTTGACCATG GAATACTTCT CCTGAACACA CTGATTTCTT AACGGAAATG
387701 CTGGCGTGGA CCATGAGAAG AGCAGGAGAG CTGCACTTTT CTTGGGAGAT
387751 ATTATATCAT ATCTTGGAAC TCATACCACA GTAAGTGGCT CCCAGAGCAA
387801 ATAGAAACCA GCCATCATGG ACATCCTAAG AATACATCTG TTTCCAAATC
387851 TACCTTTTTA TTCGCGGTAG GAGAAAAGAA CCAATAATCC AGTCAATGCT
387901 TTTGCTTTTG GAATTTCTAC TAAGAAGCCT TTTCATGAGG AAAAAATAAA
387951 AACAAAAGGA ACTTTTAGGA GTGGCGCTCT GTCAGCTGCT TGTGCATCAG
388001 CTGCTTGTGG ATTTGGTTTA GAGCTTTAGA GAGGACTGGC ATTGACTAGC
388051 TTTCACTGTC ATTGTGGCCC ACATGACTTC GAAAACACTA TCATTGTGAA
388101 TTTTAGTTAT ATTTGATGGT AGAATTATTC TTTTAAAAAA ATTTCTCCAT
388151 TCTGTCTACT GAGGCTAGTT CAATGTAATC CGTGTTTTCT TTCTTCCCAC
388201 CTTGCTGCTT CTCTACTCAT TTTATTCCTT TCCCTTACCT GTATGCATGT
388251 CTCAGTTCTG TTCTTCACAC TTTGGTTTCC AAAGCTGTAA CTTATTCCTT
388301 CTCTCCACAC TAAAGCCCTT TCCATTTGCC TCCCTGAAAG TACTTCTAAT
388351 ACCATGGTAC ACACGGCATT TACCTTACAT GCATCCACTA CTGGTTTGTG
388401 AGCAGGGGAA GACAGGTGCC ATATCTTAGA CATGCCTGGA TCTTCCACCT
388451 GGCTTAATAT AGTTATTGCA CAGAGTAGCT ATTCAGTGGA TGTTGATTGA
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FIGURE 3GGGGG

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388501 CGAAAGAATG ACTGGCTAAT TATTTGTAGT GTCCTGGTTA CATTTCCCTC
388551 AGTTACTGGC AGTATATTGC TAAGTAAATG TGATAGGAAA GTAAGAGTGG
388601 CAGAAGAAGA TGACCTTATT GACTAGTTCT TCAGAGCATC CTTTATAAAT
388651 AAAAAGAAAC AGAGTAATGT TTATTGAAGC AAGTGTTGAA TTCAGGCAGT
388701 GTTTCTCCCG CCCTAGGACA TACAGACAGC TGCACTCCTT CCTCTACACA
388751 GAAGAAGTCA CGTTCATATT GAGGTCCTTG AGTACCCATG TTTCTCTTTT
388801 CATTAACACT CAGAAGTTCT CTAGGTCATC CCTATCTCAT CCAACCATTA
388851 GTGATCTGGT CAAAACTCTG TCCAAGTTTT CTATATCTCA AGTTTCGTAG
388901 TTCTCCAAGC TAGATGGAAT TGTTTAAGAG ACAGGGGAGT ACTAAATATA
388951 GTAGGGAAAT TTTTCCCAAA TGTTGACATA TACTAGAGGC CCCAAGTTAC
389001 AAACATTCAC ATTTCAGGTG GTCACTACTT CTCTGACCAT AACTGATCAC
389051 TAAAGCCGCT TTGTCATTAC CATGTAAGCC ACCACAAAAC AACAATTTAT
389101 AGCTCATAGA AAAATCTATA GAAGCAGGCT GGGCTCGGGG GCTCACACCT
389151 GTAATCCCAG GACTTTGAGA GGCCAAGGCG GGCGGATCAC AAGGTCAGGA
389201 GATCGAGACC ATCCTGGCTA ATATGGTGAA ACCCCATCTC TACTAAAAAT
389251 ACAAAAAACT AGCCAGGCGT GGTGGCACGC GCCCGTAGTC CCAGCTACTC
389301 AGGAGGCTTA GGCAGAAGAA TCGCTTGAAC CCAGGAGGCG GAGGTTGCAG
389351 GGAGCCGAGA TTACGCCACT GCACTCCAGC CTGGTGACAG AACGAGACTC
389401 TGTCTCAAAA AAAAAAAAA AAAAAGAGAG AGAAAATCTA TAGAAGCAAA
389451 TGTGAAGGAA AGTAAGTGAT TCTGCAAAGA GGAATGCCCA GGGGAACTGA
389501 CCCTAAGGAC AGCCTTCTAG GCCCTAATGA TATAACATTT CCCACTACCT
389551 ACATTTATTT ACTGTGCTGT ATTAGGCTCC CTGAGGTTCC AGTGATTACA
389601 GGAGTACAAC CATTTCTTCT TCTGCCAGTT TGATTACTGT GTGTTGAGAG
389651 TGAAAGCCTG TCTGACAATT GGTTCCCTTC CTCGGATGTG CCAGCGGGGC
389701 AAACCGCCCA TCTGGCCATG TGAATCAAAA CCCAGAAACG TTGAGAGGTT
389751 CCAGGCAGCC TTTTGGTTAC CTCTCTCTTTTT CTCAACCCTG CTCTTTTTCC
389801 AACCCCCGCC CTGGCCACCA TGGTACACAT GCTCATCTGG CCACTCTGTT
389851 GGATGTGTTT CCATCAGACT TTACACATAC CCCTATTAGC AAGATCACTG
389901 CACTGTGCAA AAACAGGGAG ATATCAGTCA TATAGCAAAT GAAATAGTAC
389951 AGTAATTAAT ATTTGTCCAC TCACATAGTA GGTGCTCAAT AAATGTTCCC
390001 AACCATTATG TGCCAGGCTC TCTATTCTCT GAGGGAGTCT CAGCTATGAG
390051 GGGTGGGGGA GGTATGCAGG AGAGAGAAAG AGAGCTCCGT CACCTGGCAG
390101 GAAATGTAGT GCTCTTTGCC TCTTCCAGTG ATTCTTCAGA CTTCTTAGCC
390151 TTGCAACCAT TGCTTCAAAT TCTTGTCCAG ATGAAAGAAG TGCTGCTCAG
390201 AAGGGTGTGG GTGGGGACTC TTCCCACTTG GTCCCTTCAC CTCCCTTTGT
390251 AGAGATCTCC AAGGTCCCCT TAGAACACAG TGGAACCATT GGATAGCCAG
390301 TTTACCATGC TGGTCATTTC ACAGGTTTTT ACTGTGCTTA TTAATTATCA
390351 CATTCTTGTT TTCAAAAGAG CTCTTTTTGC ACCAGAACAT GTGATAAAGT
390401 GGTTTTACTA ATCCCTTGAA GTTTTGTTTT TTCCTTCAAC AAGATGATAG
390451 CCACCCTCTT TTTTCAGAAA AACATTAACA TGCATAACCA CTACAGTTAA
390501 CTTCGGCGCT CATTAATGAA GCCCAGAACT AATAGTTACA TTGTCGTAAT
390551 TTGACAAAGC CATCTAAATC TATGCATGTT TTTGAAAGCT CCCTAAACAT
390601 GCTGCTAAAT CCCCTAAAAA GCTACTAAAC TGCTTTGGCA GCCATTAGCC
390651 CAGCATAAGC AGAGGAACTC TTTTCAGTGA GTGAACAAAC AGAGAAAATA
390701 CGGCTGAATGG ATGGACAAAT GTGTTTCAGC TGGCCCTTTC ATTTACCAAT
390751 ATAAGGGCGC AGTCAATATC AATCACTGTT TTCCCTGTTG CCCTGAAAAT
390801 CACAATATCT CTTTTCATCC CACAAGCTCT TTTCACTACC GTAATGTGTC
390851 TTTAGAATGA CACTGGCATC AGCCTGCTTC CGCTGTCTGA AGTCCAGAGA
390901 GCTTAAAAAC ACATTTCGGG ATTCTTGAAC CTTCCTCCCC TTCCGTTTTC
390951 CTACTGCCTC CTCCCCTCCTC CCTCTGCATC CATTCCGCCC CCTCCCCAGA
391001 TTCTTTTCAA TTCTTCCAGC TTTCCTGGCT GAGTAAACAG CATTCACTTC
391051 TCTGTTCTAA TGCAGCTCTC CAAAGTAAAT GTTGACAACC CTATCTGATA
391101 TTCCTGAGAT TTAAGAACTC ATTAAAGAGA TACACATAAA GAAATGCTTT
391151 TACATGTTGG TAATACATCA AAGGTTGAAA GGAATGTGGA AACTCTGTGC
391201 TATGACACGG TGTGTTGATG AGCAAGGCCT CACTCTGTAT CAGAATATCT
391251 CCCCCTCTGC CCTCCCCTTGA CCGTTGGCTC CGCCTCCTCCT CCACCACATA
391301 GAGACATGCA TCCTTTGCCA TCCCTTGTTA AAAGTATGTG CGTGCACAGC
391351 TACCTACCCT TACAGTTAAG AGCAAATGCC CTTAAAAGCA AATGCCACTT
391401 CTTAGATATC TTTTGGCACT CCTGGTTCTG AGTACTTAAT ACGTTGCTTT
391451 GGGATGAAGG AAAGAACAGA ATGCTCTGTA TATGATTACC TTTTATCCTT
391501 TTGAAAACTT GAGTGGACTA ATTCTTGCAG ATAAATTTTA GCAATGGGCA
391551 TTTAGTTGTA GAAGGTACCA CAGATGAATA TTTGGAATAT TATGTTTCTA
391601 AAAGAGTACT GATTGTTTTC TACCTCCTTT TATTTACTTA TTTTTTAAAA
391651 TTTCAGATTG TAGCTGTCTG CAGAGAGGCA GCTCTTCTGG CTCTGGAAGA
391701 AGACATTCAA GCCAATCTCA TCATGAAAAG ACATTCACT CAGGCCTTGA
391751 GCACTGTGAC ACCTAGAATT CCTGAGTCAT TGAGACGTTT TTATGAAGAT
391801 TATCAAGAGA AGAGTGGGCT GCATACACTC TGAGAAAATA TATATATTCA
391851 AGATGCTGAA AATCCTTTCC AGAGAAAATT TGTTTCTTTT TAAAATTTTT
391901 TGAGAGTGTT AAAAAAAATT TTACTAGGCA AAATGTTTGA AGTATGTTCA
391951 GTAGAATTTA GGGGCTTTGG TTCTTACAGA TTTTCAAGTC ATGTAAGTAC
```

FIGURE 3HHHHH

Rec'd PCT/PTO 03 SEP 2004
PCT/US03/06670
10/506549

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392001 AGTGAAAATA TCTCTGAGCA TAAGTTTCAA TCAGTTTTAC CTGGAAATTT
392051 GTGGTGTGGT TTAAAAAACA AATGTTTAGC TTTTTCATTT GCGACCTAGT
392101 CTGTTCATCC CATGAAGCGA TTTCTTTTTC CAGAATCTGT TTGAGTGTCT
392151 TTCTAAAATG CCAAACATGT TGGCATCAAT TTTATACAGG GATATAAAAA
392201 AGTATATGTG GATAAATTTT TTGTAATCTT TAGGGATATA AAAAAGTGTA
392251 TGTGGATAAA TTTTTTGTAA TCTTTATTTT TGAAGGCCAG CCAGTAAAAT
392301 GGCCCAATGT GCCAGCCAGG CTTATGTGGC CTTGTTTTCA AATATACATA
392351 TATGTGTTAT CATTAAAATT CATATATGCA TTTTTGTTTT AGCCTTCTTA
392401 ATCTCTACCT ATGGCCAAAA AAATTTTTTT TGAGAGATAT TTTGTATAAT
392451 ACAATGCCCT TTGAAAGTGT AAGCCCACTC TAAGCCTAGA TCAGTAGGCT
392501 TGGGTTTTTT TTGTTGTTGT TTTGTCTTTT TTTTTTTTTT TTGAGACAGA
392551 GTCTCACTCT GTCACCTAAG CTGGAGTGCA GTGGCACGAT CTTGGCTCAC
392601 TGCAACCTCC GCCTCCTGAG TTCAAGCAAT TCTCCTGCCT CAACCTCCTG
392651 AGTAGCTGGG ACTACAGGTG TGCACCACCA CACGCAGCTA ATTTTTATAT
392701 TTTTAGTAGA GACAAGGTTT CACCATGTTA GCCAGGCCGG TCTCGAACTG
392751 CTGGCCTCAG GTGACCCACC CACCTGAGCC TCCCAAAGTG CTGGGATTAC
392801 AGGCGTGAGC CACCATACCT GGAGAGGTTT TGTGTTTTTG TTTTTTTTTC
392851 ATAAAATGCT TTTAATAAAT CATATGAAGC ATTCATGTTT TTACTTATAC
392901 ATATTTTCAG GGTACCAGTA AACTTTTTAG TTCAAAGATA GGCCAAATTG
392951 TACTTTTTTT TTTATGAGA CAGAGTCTCG CTGCTCTGTC GCCCAGGCTA
393001 GAGTGCAGTG GCGTGATCTA GGCTCACTGC AAGCTCTGCC TCCTGGGTTT
393051 ACTTACGCCA TTCTCCCGCC TCAGCCTCCT GAGTAGCTGG GACTACAGGT
393101 GCCCACCACC ATGCCTGGCT AATTTTTTTT TTTTTTTTTT TTTATTAGAG
393151 ACAGGGTTTC ACCGTGTTAG CCAGGATGAT CTCGATCTCC TGACCTCGTG
393201 ATCCGCCCGC CTCGGCCTCC CAAAGTGCTG GGATTACAGG CATGAGCTAC
393251 TGCGCCCTGC CGCCAAATTG TAATCTTAAA CATATTATGT TGCATTCTAA
393301 ATATGTATAT TTATGCTTCT TGTTATTTAT CCTCAGGATT TCTTCACACT
393351 TTATTACTTC ATAAATACTC TTGAAAAAGC TTTCAGAAAG TGATTCTCTG
393401 ACTTCAGATC AGAAACTGGC AATGGGAAGA ATGTGCACTT AAACTTGATC
393451 ACTGTAGATC TTTGAAAATT CCCAGAAAGA CAAATCAGAC AAGAAATACC
393501 TGATTATCAA AATAATGGGC TATACAGTTT TGTGGTGGCA TACATTCCTT
393551 GTTTGTTTGT TTAGAGATAG GATCTTGTTG TGTCACCCAG GGTGGAATGC
393601 AGTGGCACAG TCGTAGCTCA CTGCCACCTTC AAACTCCTGG AGCTCAAGTG
393651 ATCCTCCTGA CTCAGCCTCC TGAGTAGCTA GGACAACAGG TGCACACTGC
393701 CATGTCAGGC TAATTTTTTT TTTTAAACAG AGAGACAGAG TCTTGCTGTG
393751 TTGCCCAGGC TGGTCTCCAA CTCCTGGGCCT CAGGTGACCC TCCTGCCTCA
393801 GCTTCCCAAA GGGCTGAGAT TACAGGTGTG AGCCACCATG CCCAGCCTGT
393851 GGTGACATAT ATTCTGAAGT CACATCTCAA ATATTTAATC CTCAAATATA
393901 TTTACATCCT CAAAAATATC AGATTTTCAA GACAACACTG GTTTACCAGT
393951 ACATAAACCC ACCTAGGGGA CAAAGAATAT TACCACTTAG AACTGTGTTG
394001 TCAAATACAA TAACCACTAA TTGTATCTGA CCATTTTAAT TAAATTAATT
394051 ACAATTAAAT AATATTTAAG AATTAGTTTA TCAGACATAT CAGCCACATT
394101 TCAAATGCTC AATAGCTACA TGTGGCAAGG GTCTGCCACA CTGGACAGAG
394151 TAGAAAACAT TCCCATCATT CAGAAGGTTC TCTTGGACGC T (SEQ ID NO:3)
```

FEATURES:
Genewise results:
```
Start:  2052
Exon:   2052-2214
Exon:   6544-6665
Exon:   7947-8104
Exon:   12324-12382
Exon:   12982-13623
Exon:   14599-14728
Exon:   14985-15041
Exon:   17011-17134
Exon:   26115-26370
Exon:   58099-58253
Exon:   105907-106116
Exon:   134208-134261
Exon:   135030-135109
Exon:   168302-168428
Exon:   333800-333964
Exon:   391657-391830
Stop:   391831
```

Sim4 results:
```
Exon:   2052-2214, (Transcript Position: 1-163)
Exon:   6544-6665, (Transcript Position: 164-285)
Exon:   7947-8104, (Transcript Position: 286-443)
```

FIGURE 3IIIII

Exon:	12324-12382,	(Transcript Position: 444-502)
Exon:	12982-13623,	(Transcript Position: 503-1144)
Exon:	14599-14728,	(Transcript Position: 1145-1274)
Exon:	14985-15041,	(Transcript Position: 1275-1331)
Exon:	17011-17134,	(Transcript Position: 1332-1455)
Exon:	26115-26370,	(Transcript Position: 1456-1711)
Exon:	58099-58253,	(Transcript Position: 1712-1866)
Exon:	105907-106116,	(Transcript Position: 1867-2076)
Exon:	134208-134261,	(Transcript Position: 2077-2130)
Exon:	135030-135109,	(Transcript Position: 2131-2210)
Exon:	168302-168428,	(Transcript Position: 2211-2337)
Exon:	333800-333964,	(Transcript Position: 2338-2502)
Exon:	391657-391833,	(Transcript Position: 2503-2679)

CHROMOSOME MAP POSITION:
chromosome 4

ALLELIC VARIANTS (SNPs):

DNA Position	Major	Minor	Domain	Protein Position	Major	Minor
2769	G	C	Intron			
3193	A	G	Intron			
3212	A	G	Intron			
8756	A	- G	Intron			
9504	T	G	Intron			
9848	C	G	Intron			
9854	T	-	Intron			
9855	T	G	Intron			
9856	T	C	Intron			
9858	A	G	Intron			
9859	A	C	Intron			
9861	A	G	Intron			
9933	A	C	Intron			
29225	T	-	Intron			
30318	-	C A	Intron			
31773	A	G	Intron			
31815	G	A	Intron			
31937	T	C	Intron			
37476	C	A	Intron			
37907	G	C	Intron			
39942	G	A	Intron			
39962	T	C	Intron			
54112	G	A	Intron			
56564	T	C	Intron			
56577	C	G	Intron			
62685	G	A	Intron			
66226	G	T	Intron			
69242	T	C	Intron			
71663	T	C	Intron			
72277	A	G	Intron			
73914	A	G	Intron			
84040	C	G	Intron			
89030	G	A	Intron			
93320	A	T	Intron			
101668	G	T	Intron			
103856	-	G T	Intron			
105833	T	C	Intron			
105955	G	C	Exon, coding	639	E	Q
107551	G	T	Intron			
119296	T	C	Intron			
119555	T	A	Intron			
121866	-	T	Intron			
122895	G	A	Intron			
131609	G	T	Intron			
131723	C	T	Intron			
132231	T	-	Intron			
135632	-	A	Intron			
141539	G	A	Intron			

FIGURE 3JJJJJ

142214	C	A	Intron
145778	A	G	Intron
151190	A	T	Intron
157553	A	C	Intron
157636	A	T	Intron
162146	A	G	Intron
163621	A	G	Intron
164329	C	A	Intron
164414	T	–	Intron
164418	A	–	Intron
165385	C	T	Intron
169409	A	G	Intron
169427	T	C	Intron
169482	A	G	Intron
169833	A	G	Intron
172752	A	C	Intron
174593	T	C	Intron
175255	C	G	Intron
182043	G	A	Intron
191691	C	T	Intron
191860	C	T	Intron
205285	C	T	Intron
205541	G	A	Intron
214654	A	T G	Intron
217543	A	G	Intron
220982	G	A	Intron
223142	–	G	Intron
224714	G	C	Intron
224830	C	G	Intron
226572	–	T	Intron
231688	G	A	Intron
231789	T	C	Intron
233397	–	A	Intron
233523	G	A	Intron
234058	A	G	Intron
234588	T	G	Intron
239457	A	G	Intron
239491	A	G	Intron
239555	C	A	Intron
242177	C	G T A	Intron
247768	T	A C G	Intron
249117	A	G	Intron
249605	G	A	Intron
250289	C	T	Intron
251073	C	T	Intron
252314	–	A	Intron
253696	A	G	Intron
253831	A	G	Intron
253888	G	A	Intron
253894	G	A	Intron
255016	G	A	Intron
256221	T	C	Intron
256464	T	C	Intron
263085	G	A	Intron
265178	G	A	Intron
265800	T	G	Intron
269688	C	T	Intron
272937	A	C	Intron
273176	T	C	Intron
275790	T	C	Intron
276058	–	A G	Intron
276824	C	G	Intron
280661	C	T	Intron
280667	A	C	Intron
281343	A	G T	Intron
283572	–	T	Intron
288144	C	T	Intron
288353	A	G	Intron
288504	T	C	Intron
288604	T	C	Intron

FIGURE 3KKKKK

289150	C	T	Intron
291331	G	C	Intron
291575	G	C	Intron
291589	G	T	Intron
294398	G	A	Intron
298090	C	T	Intron
299714	G	A	Intron
306438	A	G	Intron
306579	T	C	Intron
310153	T	C	Intron
310189	A	G	Intron
310283	A	G	Intron
311696	G	T	Intron
315318	A	C	Intron
315383	T	G	Intron
322289	C	T	Intron
323572	T	C	Intron
324052	T	A	Intron
326324	G	T	Intron
327037	T	G	Intron
327038	T	G	Intron
327295	A	G	Intron
328248	T	C	Intron
328332	C	T	Intron
328453	G	T	Intron
328464	G	C	Intron
328968	C	T	Intron
329579	A	G	Intron
331838	A	G	Intron
332042	A	G	Intron
332058	A	C	Intron
333419	A	G	Intron
336143	T	G	Intron
336148	T	G	Intron
337934	C	T	Intron
341242	T	C	Intron
341261	C	T	Intron
346129	C	A	Intron
350106	G	A	Intron
351103	A	G	Intron
351139	T	G	Intron
358126	G	A	Intron
361818	T	C	Intron
362286	C	G	Intron
362869	T	C	Intron
363642	G	A	Intron
363730	A	T	Intron
365893	G	A	Intron
366622	–	C	Intron
370992	G	C	Intron
371475	G	A	Intron
373927	A	T	Intron
374062	G	A	Intron
374489	C	G	Intron
375527	A	– T	Intron
375885	G	A	Intron
376687	C	A	Intron
378952	A	G	Intron
379000	G	A	Intron
384480	G	A	Intron
385802	G	A T	Intron
386270	T	C	Intron
386338	G	A	Intron
387449	C	G	Intron
389096	T	C	Intron
389998	T	C	Intron
392964	–	T	Intron
393018	C	T	Intron

Context:

FIGURE 3LLLLL

DNA
Position

2769   AGTTGCACTTGAAACGCTTTGTCTCATTTAACATTAACGACACATTTAATTGCAAAATTG
TTCATAACTAGCGAACATGGGATACTTATCCTAAAAAACTAAATAACCAATTCAGTAAAA
ATGTGGATCACTCTGCCTTTAGGAGTGATGATAGCATTTTCTTCCAGTACTACGCAGGTT
ATGATATTTAATAACTGCTAGTAACTGCACACTAGTGTTAGCAGTATATATAGCTCATCT
AATTTCTACAGAAGCCGTGACCGATGGGTATAGTAATGACAGTTTTATAGAGGGAGGAAA
[G,C]
TTAACGTGATTCCATTCAGGCTACACAGGTGCTAAGTGGCAGAGCCGATATTTGAGTCCA
GATGTGTTTGACTTAAAAGCCATTCCTAGATGACAGCTCCTTTGATTTGGGAGAACGTAT
TTATACTGAAAAGTCTTATAAATTGAATTAAAAATTGAAAATTTATATTTGATGTGTAAT
AGCTTTGAAAAATGGACCAGACTAGTGGCAAAAACTTTTATGTCTAATCAGACCTTAAAG
ACAATTTAGAGTTCACATGGTATTTTCACTCTGCCTTAGGTATCAGAGGACAACTTGTTC

3193   TACTGAAAAGTCTTATAAATTGAATTAAAAATTGAAAATTTATATTTGATGTGTAATAGC
TTTGAAAAATGGACCAGACTAGTGGCAAAAACTTTTATGTCTAATCAGACCTTAAAGACA
ATTTAGAGTTCACATGGTATTTTCACTCTGCCTTAGGTATCAGAGGACAACTTGTTCTGT
CCTGAAGGTTCAACTTGTTTTTGAACTAGATCCTTCCCATTGACATGTAAACATGCTCAT
TTCTCTTCCATCTTAAATCAGAACAAAAGCTCCACATTTTCTTCCTGCAACCGTCTCTCT
[A,G]
TCCATTGCCAAGCTTCTTAAATGGAGTGGTCTCTGCCGCCTCACCACTTACATACTCTCC
CTAGCCTATTCCTCTTTGACTTCCACCCCATCATTCCATGGAAACTGTTCCTGGTGTGGT
CTCCGAGCATCTCCGTGTTGATAAACCTTACGTGACCACAGCAACTTTTGGTATTGTTGA
CCATTCCCTCCTTCTCGAAACACTTAACTTCTTATGTGTTGTCAAACTTGCCTGGTTTTC
TTCATCTTTGTTGATGTTTCATCATTTTTCTTTGCAGGCTCGTCCTCTTCCCTTGACCAT

3212   TTGAATTAAAAATTGAAAATTTATATTTGATGTGTAATAGCTTTGAAAAATGGACCAGAC
TAGTGGCAAAAACTTTTATGTCTAATCAGACCTTAAAGACAATTTAGAGTTCACATGGTA
TTTTCACTCTGCCTTAGGTATCAGAGGACAACTTGTTCTGTCCTGAAGGTTCAACTTGTT
TTTGAACTAGATCCTTCCCATTGACATGTAAACATGCTCATTTCTCTTCCATCTTAAATC
AGAACAAAAGCTCCACATTTTCTTCCTGCAACCGTCTCTCTATCCATTGCCAAGCTTCTT
[A,G]
AATGGAGTGGTCTCTGCCGCCTCACCACTTACATACTCTCCCTAGCCTATTCCTCTTTGA
CTTCCACCCCATCATTCCATGGAAACTGTTCCTGGTGTGGTCTCCGAGCATCTCCGTGTT
GATAAACCTTACGTGACCACAGCAACTTTTGGTATTGTTGACCATTCCCTCCTTCTCGAA
ACACTTAACTTCTTATGTGTTGTCAAACTTGCCTGGTTTTCTTCATCTTTGTTGATGTTT
CATCATTTTTCTTTGCAGGCTCGTCCTCTTCCCTTGACCATTAAATGTTGAAGTTCGTCA

8756   AATTTCTGGGCATGGTGGTGTGTACCTGTAGTCCCAACTATTTGGGAGGCTGAGACAGGA
GGATTGCTTGAGCCTGGGAGGTGGAGATTGCAGTGAGCTGGGATCGCGCCACTGCACTCC
AGCCTGGGTGACAGAGTGAGACTGTGTCTCAAAGAAAAAAAAAGTTACCAATAAGATAT
TTTGCATCCTTTTTTTTCAAGCTAAGTCTTCAAAATCAATGTGTATGTTACACTTGTAGCA
CATCACAGTTTGGACTAGCCCCCATTTTAAACATTTGATAGCTACATGTGCTGAGTGGCTA
[A,-,G]
TGGCCCACTTGTGTGTTATATTAGACAACCCAAGCTAAATGAGTGCTATATAATTTATAGACT
AAGGACTTTGATTTTTCCATGATTAGAGTGTGCCCTGACATTTTAGGTGAGAGTAATTTTC
ATTGATGCATATTTAGCAGTGTTTTTTCACCTTGACTTGCAGTGTAATCAGGGCTTCTTAT
TTTACAGTTGTAAAGAAAGAGTAGATTACTGTGAGTCAAACAGAAACAAGTTTTAATTA
AGACTATGCAAGCAAAGAACCTGATTGTATATTTTAACTTGTTGATTATTCGATTTAGTA

9504   CAAGTCTTCTCAAAAATCATTTACAAAAAGCATCTTTTTATACTTTAATGTCACCTTAGT
AATAGTTTGGGGGATGTGTTTACATTATATGTGTGAGAATTACAAACCATTTTCTAGTCATC
AGCTTGATTTTAATATGTTCTCTTTTGCTACTATTGTAGATTTTAGACTTGAGTTTTTGGC
ATATTTTTTTCCTTTATAACAGGAGAATGTTTTCAGAGCTTATAGTAACAGTTTAATGAAC
AATAAAAAGCAGAAGGGACAGGAGACAATATGTTGAGTACCGGCTGTATACAGAAGCTTT
[T,G]
TATATATTGCATGTATGTATACACACACACATTTACCCTTTTTCTTTTTAAACAGATGA
AATAGTCTGAGGAGAACTTGCCTAATATTTTATGAGGTAGTTAATAGTACTGTTGAGATT
AAACTGGATTATTCCTCAGACTATGTCTTAAAATGGTGCTACAGGTAGCAGTAATTCGTT
GACTGGAATTAGCATTTATGATGACCTACAAACTAGTCAGACCTCTTGAGCGCACAGCAG
TCTTAGGTGAGTAATGATTGCTTATTAGAGAGGACTGGATATGTTTTAAATGAAAGCTCA

9848   TCTTTTTAAACAGATGAAATAGTCTGAGGAGAACTTGCCTAATATTTTATGAGGTAGTTA
ATAGTACTGTTGAGATTAAACTGGATTATTCCTCAGACTATGTCTTAAAATGGTGCTACA
GGTAGCAGTAATTCGTTGACTGGAATTAGCATTTATGATGACCTACAAACTAGTCAGACC
TCTTGAGCGCACAGCAGTCTTAGGTGAGTAATGATTGCTTATTAGAGAGGACTGGATATG
TTTTAAATGAAAGCTCAGGTTTTAAAATTTTGTTTTAAAAAAATCTTATGTTTTAAAAAAT
[C,G]
TTATGTTTAAAAAATCTTAAGTATAGACAAGAAAGTTAACTTCCAGTTGGGAAAATCAGT

FIGURE 3MMMMM

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CATTTTAGTCTGCTTAAATCCTTCAGTTGCAACTGTAAGATTTTATTATTAATAGTAATG
TTAGAGCTCCTTCTAGTGGAAATTATTTTATGTGCAACTATTATTTTTTTAAAAGCAAAA
TTGGTTTGATATTTTTACTGTTTTTACATGTATTTGTAAATACCTTCTATTCAGAGTTTA
ACAAAAGCAATTTAAGTATAACTTGGTTTAGAGTTCCATAAACAAAAGTAAATGTAAGCA
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9854
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TAAACAGATGAAATAGTCTGAGGAGAACTTGCCTAATATTTTATGAGGTAGTTAATAGTA
CTGTTGAGATTAAACTGGATTATTCCTCAGACTATGTCTTAAAATGGTGCTACAGGTAGC
AGTAATTCGTTGACTGGAATTAGCATTTATGATGACCTACAAACTAGTCAGACCTCTTGA
GCGCACAGCAGTCTTAGGTGAGTAATGATTGCTTATTAGAGAGGACTGGATATGTTTTAA
ATGAAAGCTCAGGTTTTAAAATTTTGTTTTAAAAAATCTTATGTTTTAAAAAATCTTATG
[T,-]
TTAAAAAATCTTAAGTATAGACAAGAAAGTTAACTTCCAGTTGGGAAAATCAGTCATTTT
AGTCTGCTTAAATCCTTCAGTTGCAACTGTAAGATTTTATTATTAATAGTAATGTTAGAG
CTCCTTCTAGTGGAAATTATTTTATGTGCAACTATTATTTTTTTAAAAGCAAAATTGGTT
TGATATTTTTACTGTTTTTACATGTATTTGTAAATACCTTCTATTCAGAGTTTAACAAAA
GCAATTTAAGTATAACTTGGTTTAGAGTTCCATAAACAAAAGTAAATGTAAGCATTTAAG
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9855
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AAACAGATGAAATAGTCTGAGGAGAACTTGCCTAATATTTTATGAGGTAGTTAATAGTAC
TGTTGAGATTAAACTGGATTATTCCTCAGACTATGTCTTAAAATGGTGCTACAGGTAGCA
GTAATTCGTTGACTGGAATTAGCATTTATGATGACCTACAAACTAGTCAGACCTCTTGAG
CGCACAGCAGTCTTAGGTGAGTAATGATTGCTTATTAGAGAGGACTGGATATGTTTTAAA
TGAAAGCTCAGGTTTTAAAATTTTGTTTTAAAAAATCTTATGTTTTAAAAAATCTTATGT
[T,G]
TAAAAAATCTTAAGTATAGACAAGAAAGTTAACTTCCAGTTGGGAAAATCAGTCATTTTA
GTCTGCTTAAATCCTTCAGTTGCAACTGTAAGATTTTATTATTAATAGTAATGTTAGAGC
TCCTTCTAGTGGAAATTATTTTATGTGCAACTATTATTTTTTTAAAAGCAAAATTGGTTT
GATATTTTTACTGTTTTTACATGTATTTGTAAATACCTTCTATTCAGAGTTTAACAAAAG
CAATTTAAGTATAACTTGGTTTAGAGTTCCATAAACAAAAGTAAATGTAAGCATTTAAGG
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9856
```
AACAGATGAAATAGTCTGAGGAGAACTTGCCTAATATTTTATGAGGTAGTTAATAGTACT
GTTGAGATTAAACTGGATTATTCCTCAGACTATGTCTTAAAATGGTGCTACAGGTAGCAG
TAATTCGTTGACTGGAATTAGCATTTATGATGACCTACAAACTAGTCAGACCTCTTGAGC
GCACAGCAGTCTTAGGTGAGTAATGATTGCTTATTAGAGAGGACTGGATATGTTTTAAAT
GAAAGCTCAGGTTTTAAAATTTTGTTTTAAAAAATCTTATGTTTTAAAAAATCTTATGTT
[T,C]
AAAAAATCTTAAGTATAGACAAGAAAGTTAACTTCCAGTTGGGAAAATCAGTCATTTTAG
TCTGCTTAAATCCTTCAGTTGCAACTGTAAGATTTTATTATTAATAGTAATGTTAGAGCT
CCTTCTAGTGGAAATTATTTTATGTGCAACTATTATTTTTTTAAAAGCAAAATTGGTTTG
ATATTTTTACTGTTTTTACATGTATTTGTAAATACCTTCTATTCAGAGTTTAACAAAAGC
AATTTAAGTATAACTTGGTTTAGAGTTCCATAAACAAAAGTAAATGTAAGCATTTAAGGA
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9858
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CAGATGAAATAGTCTGAGGAGAACTTGCCTAATATTTTATGAGGTAGTTAATAGTACTGT
TGAGATTAAACTGGATTATTCCTCAGACTATGTCTTAAAATGGTGCTACAGGTAGCAGTA
ATTCGTTGACTGGAATTAGCATTTATGATGACCTACAAACTAGTCAGACCTCTTGAGCGC
ACAGCAGTCTTAGGTGAGTAATGATTGCTTATTAGAGAGGACTGGATATGTTTTAAATGA
AAGCTCAGGTTTTAAAATTTTGTTTTAAAAAATCTTATGTTTTAAAAAATCTTATGTTTA
[A,G]
AAAATCTTAAGTATAGACAAGAAAGTTAACTTCCAGTTGGGAAAATCAGTCATTTTAGTC
TGCTTAAATCCTTCAGTTGCAACTGTAAGATTTTATTATTAATAGTAATGTTAGAGCTCC
TTCTAGTGGAAATTATTTTATGTGCAACTATTATTTTTTTAAAAGCAAAATTGGTTTGAT
ATTTTTACTGTTTTTACATGTATTTGTAAATACCTTCTATTCAGAGTTTAACAAAAGCAA
TTTAAGTATAACTTGGTTTAGAGTTCCATAAACAAAAGTAAATGTAAGCATTTAAGGAGA
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9859
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AGATGAAATAGTCTGAGGAGAACTTGCCTAATATTTTATGAGGTAGTTAATAGTACTGTT
GAGATTAAACTGGATTATTCCTCAGACTATGTCTTAAAATGGTGCTACAGGTAGCAGTAA
TTCGTTGACTGGAATTAGCATTTATGATGACCTACAAACTAGTCAGACCTCTTGAGCGCA
CAGCAGTCTTAGGTGAGTAATGATTGCTTATTAGAGAGGACTGGATATGTTTTAAATGAA
AGCTCAGGTTTTAAAATTTTGTTTTAAAAAATCTTATGTTTTAAAAAATCTTATGTTTAA
[A,C]
AAATCTTAAGTATAGACAAGAAAGTTAACTTCCAGTTGGGAAAATCAGTCATTTTAGTCT
GCTTAAATCCTTCAGTTGCAACTGTAAGATTTTATTATTAATAGTAATGTTAGAGCTCCT
TCTAGTGGAAATTATTTTATGTGCAACTATTATTTTTTTAAAAGCAAAATTGGTTTGATA
TTTTTACTGTTTTTACATGTATTTGTAAATACCTTCTATTCAGAGTTTAACAAAAGCAAT
TTAAGTATAACTTGGTTTAGAGTTCCATAAACAAAAGTAAATGTAAGCATTTAAGGAGAT
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9861
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ATGAAATAGTCTGAGGAGAACTTGCCTAATATTTTATGAGGTAGTTAATAGTACTGTTGA
GATTAAACTGGATTATTCCTCAGACTATGTCTTAAAATGGTGCTACAGGTAGCAGTAATT
CGTTGACTGGAATTAGCATTTATGATGACCTACAAACTAGTCAGACCTCTTGAGCGCACA
GCAGTCTTAGGTGAGTAATGATTGCTTATTAGAGAGGACTGGATATGTTTTAAATGAAAG
CTCAGGTTTTAAAATTTTGTTTTAAAAAATCTTATGTTTTAAAAAATCTTATGTTTAAAA
```

FIGURE 3NNNNN

[A,G]
ATCTTAAGTATAGACAAGAAAGTTAACTTCCAGTTGGGAAAATCAGTCATTTTAGTCTGC
TTAAATCCTTCAGTTGCAACTGTAAGATTTTATTATTAATAGTAATGTTAGAGCTCCTTC
TAGTGGAAATTATTTTATGTGCAACTATTATTTTTTTAAAAGCAAAATTGGTTTGATATT
TTTACTGTTTTTACATGTATTTGTAAATACCTTCTATTCAGAGTTTAACAAAAGCAATTT
AAGTATAACTTGGTTTAGAGTTCCATAAACAAAAGTAAATGTAAGCATTTAAGGAGATAC

9933 TTATTCCTCAGACTATGTCTTAAAATGGTGCTACAGGTAGCAGTAATTCGTTGACTGGAA
TTAGCATTTATGATGACCTACAAACTAGTCAGACCTCTTGAGCGCACAGCAGTCTTAGGT
GAGTAATGATTGCTTATTAGAGAGGACTGGATATGTTTTAAATGAAAGCTCAGGTTTTAA
AATTTTGTTTTAAAAAATCTTATGTTTTAAAAAATCTTATGTTTAAAAAATCTTAAGTAT
AGACAAGAAAGTTAACTTCCAGTTGGGAAAATCAGTCATTTTAGTCTGCTTAAATCCTTC
[A,C]
GTTGCAACTGTAAGATTTTATTATTAATAGTAATGTTAGAGCTCCTTCTAGTGGAAATTA
TTTTATGTGCAACTATTATTTTTTTTAAAAGCAAAATTGGTTTGATATTTTTACTGTTTTT
ACATGTATTTGTAAATACCTTCTATTCAGAGTTTAACAAAAGCAATTTAAGTATAACTTG
GTTTAGAGTTCCATAAACAAAAGTAAATGTAAGCATTTAAGGAGATACATGCAATTTTCT
CATTAGTTTATACATATATTTGATTCATGAAATTTCCCCCTCATTGTATTTCTCTCTTGT

29225 GCTGTCCCTTACCCTGTCTACCTGTATCCTGATGGTCGTATCACATCCTTGTGTTAGAAG
AGTATACATGATGGGGTGATGAGAATGTGCATATTTATTCAGTTTGTGCACGGCTGCTGG
TAAGCAGCGTGTCCACAGAGCCAACTCCTATAGGAGTTGTTTCAACAGTCCATTCAATTT
GTTCAGTCAGCCCCACTGCTGTAGGGTTGTACGGCAGGTGAAAATGCCAGTGGATATCCA
GGGCCTCTGCCTATTCTTGTACTTTATATCTGGTAAAGTACGAGCCCTAGTCATTGTTAA
[T,-]
TTTTTTTTTTTTTTTGAGATGGAGTTTCGCTCTTGTTGCCCAGACTGGAGCGCAATGGCG
CGATCTCGGCTCACTGCAACCTCCGCCTCCTGAGTTCAAGCAATTCTCCTGCCTCAGCCT
CCTGAGTAGCTGGGATTACAGGTGTGTACCACCACACCTGGCTAATTTTTTGTATTTTTA
GTAGAGACAGGTTTCACTATGTTGGGCAGGCTGGTCTCAAACTCCTGACCTCAGGTGATC
CACCCGCCTCAGCCTCCCAAAGTGGTGGGATTACAGGCGTGAGCCACTGTGTCTGGCCCA

30318 GATGCAATGGGGAATGTCCTTCTACATGTCAGGGCACCAAAGGAGGTGACCTGCTACTGT
CTAGTCCTGTGCTTCCCATTGTAGTAGCCACATGGTGAGTCCCTTTACATTGGATTAGGT
AAAAGTAATCTAGAGATTATTTAAATTATATGGGAGGATGTACATAGGCTACATGCAAAT
ACTGTGCCATTTTATATAAGAGGCTTGAGCTGTCCTTAGATTTTGGTATCTTAGGGGTCC
TGGAACCGATACCCCATAGATACTAAGGGATGACTGTATCCTATCAGACTTTTCCAAAGT
[-,C,A]
CACACACACACACACACACACACACACACACACGCACGCACACACATGTAATCAGATGCATT
GTTGGCAGTATTGATGAAGACAATATTTATTGATATATCGTGCTGTGGAAATCAGGGAGA
AATGTGTACTGGAGAATCACAATTTTTCCTTAAGGAATGTCATGCCGGATGCCTGTTAACT
TCAGACAGCCCACCTGTGAGTACACAGGACTGCTGGGTCTGGCTTATAGAGGAGGACCAT
CCTGGCAGCTTGCAGCTCAGCTCATTGGCTGCTATGTCCTTGGCCTGTATCATCAATCCA

31773 TTGTCTGTGTGTTTATAGCTCATCCTGTTTTGCCAGATGAGGCAGCAAGGTGTGAGGGCGCAG
TTTGAAAGCTGGAAAAAGACTCAGAAGTTAGCACGATATCATCACTGTAATGGAAAATGT
GTACCCCTTCCAGGACCTCCATGGCTATATAAATATCCCTGGGGCAAGATGGTAAAAGTC
TATTGTTCTTCCCAGGTGAATGCAAATTGGTCTTGACTCTCTGCGCAATGGGGATGCTG
AAGAAGGCATTGGTTAAATCAATAACAGAGTGGTAGTGGTATGTGTCCAGTGCCTCTCCC
[A,G]
CCCTCTTTAGAAGGGAGGTGATATTGGGAACATGTGCATACGTTGGGGGGGACTGCCTTAC
TTAATTCCCAGTAATCTAGTGTCATTGTCCATGTCCCATCAGGCTTCCACATGGGCCGTA
CATGGCTGTTGTATGGGCTGTGCCACTGGCCTTGTAATGCCTCCTTGGGCTAACTCCTTAA
CAATCCCTGTGGTTTCATTATGTCCCCCCCAGCAGGCAGTATTGCCTCAGTGCTACTACTT
GCTGTGTGGGGTTGGCAACTATACTGGTGTCCATTTCGCATTCCCCCTTGGTCACATGCTT

31815 CAAGGTGTGAGGGCGCAGTTTGAAAGCTGGAAAAAGACTCAGAAGTTAGCACGATATCAT
CACTGTAATGGAAAATGTGTACCCCTTCCAGGACCTCCATGGCTATATAAATATCCCTGG
GGCAAGATGGTAAAAGTCTATTGTTCTTCCCAGGTGAATGCAAATTGGTCTTGACTCTCT
GCGGCAATGGGGATGCTGAAGAAGGCATTGGTTAAATCAATAACAGAGTGGTAGTGGTAT
GTGTCCAGTGCCTCTCCCACCCTCTTTAGAAGGGAGGTGATATTGGGAACATGTGCATAC
[G,A]
TTGGGGGGGACTGCCTTACTTAATTCCCAGTAATCTAGTGTCATTGTCCATGTCCCATCAG
GCTTCCACATGGGCCGTACATGGCTGTTGTATGGGCTGTGCCACTGGCCTTGTAATGCCTC
CTTGGGCTAACTCCTTAACAATCCCTGTGGTTTCATTATGTCCCCCCCAGCAGGCAGTATT
GCCTCAGTGCTACTACTTGCTGTGTGGGGTTGGCAACTATACTGGTGTCCATTTCGCATT
CCCCTTGGTCACATGCTTCACCCACTCTCAGTCAGAACTCCCCAGCAGTTGTTTGGAGGGT

31937 CAAGATGGTAAAAGTCTATTGTTCTTCCCAGGTGAATGCAAATTGGTCTTGACTCTCTGC
GGCAATGGGGATGCTGAAGAAGGCATTGGTTAAATCAATAACAGAGTGGTAGTGGTATGT
GTCCAGTGCCTCTCCCACCCTCTTTAGAAGGGAGGTGATATTGGGAACATGTGCATACGT

FIGURE 300000

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            TGGGGGGACTGCCTTACTTAATTCCCAGTAATCTAGTGTCATTGTCCATGTCCCATCAGG
            CTTCCACATGGGCCGTACATGGCTGTTGTATGGGCTGTGCACTGGCCTTGTAATGCCTCC
            [T,C]
            TGGGCTAACTCCTTAACAATCCCTGTGGTTTCATTATGTCCCCCCCAGCAGGCAGTATTGC
            CTCAGTGCTACTACTTGCTGTGTGGGGTTGGCAACTATACTGGTGTCCATTTCGCATTCC
            CCTTGGTCACATGCTTCACCACTCTCAGTCAGAACTCCCCAGCAGTTGTTTGGAGGGGTCA
            AGCCTGATAAGATATCCATTCTCAAGATGTATTCCAAGATGGGAGCTATACATACTAAAT
            AGGGTTTTGGTGGCAGTCTCTCAACTTGTAATACTCAGACAGTTCAACCTTTCTGATCCC

   37476    TTTTCAGGAGGTGTTTTTCATTGTTCACCAGTTGTGCTATGTTTAAATGGAGTGCTTGTAA
            ATGGCCACTGGCATATATGGGTAGTTAAGGCATCTTGACCAGATTCGTGAGTTTGACACT
            AAGAGACTCCATCTCCAGATGTATTTCTGGGTATGTAGGTTAAATCTATCTCTTTCTATT
            ATTTATTCTTCCCCACGGAATTCAGGTTTGTTTCACATGTTTTTAATTCAGGACCAATCA
            CTTAGAGCAAAGAGTCTTAAACATTATTATATGAGAATCACCTGTAGAATTTACTAAACT
            [C,A]
            GGTTACTGAATCCCCCCTGACAAGAGTTTCTGATTCAGTAGGTCTGAGCTGGTGCCTGAGA
            ATGCTAACAAGTTCCCAGGTGATGCTAATGCTGGTGCTAATGCGGCTGATCTGGAGACCA
            CACTTTGAGAGCTATTGACCTATAGGGCATTAGTTCCTAAACCTCATTATGCATCAGGCT
            CACCTGGGAAACTACACATTCACTCATGCTCACAGTCACATTCCCACTCATAATTAAGTG
            TTTAAGGGAGTTAGGAAGCTGGAGGCAGGATCTATAATGTTTTCCAAGTGATTTTGAAGC

   37907    GCTATTGACCTATAGGGCATTAGTTCCTAAACCTCATTATGCATCAGGCTCACCTGGGAA
            ACTACACATTCACTCATGCTCACAGTCACATTCCCACTCATAATTAAGTGTTTAAGGGAG
            TTAGGAAGCTGGAGGCAGGATCTATAATGTTTTCCAAGTGATTTTGAAGCAGCCAGTCTT
            GCCCTTGTCTGTGATTGGACATTTGATTCGCTGATTTAGGCAAGTGGTTCTCCAACCTAT
            GTAAGAAGCATTTGTAGAGCTCGTGAAAACACAGTTCTGGGGTCTATCCTGCTGATTCCT
            [G,C]
            TAGGTCCAGAAGGTCCAAGTGGGGCCCCAGATTTGCATTTCTAACAAGCTTGCAGGTATG
            TCATTGCTGCTGGTCCAAGAACTGTACTTTGAGAATCACTGATCTAGGGCAACCAACTAC
            CCAGTTTTTGGAGATTCTCTAACTGATTTAAATAACTGGATTAAATTTAGGGATTGAAAT
            TCTTTGACCGTCTCTAATAGTGTTGTTGCGTTTCCTCCCAGAAGTTTTTTGTGATAGTAA
            TGTGCTCTTCCAAACTATCATTTAACTTTGCCACTCAAGAGAAAATGAATGTCTTAAGTT

   39942    TTTTTAGCTCATTTGTCCCTCCACCCCCAACTAGCTTACTTTAACAGGGATTTATGGAGC
            ATCTGCTATGTATGTAATAGTCCAACTCTTATGAAAGGTTCTGTTTCTAATATTTTTTAC
            TATTTTTTTCAATTCTGTCAACGTTGTTTTCTAAGTTAGAATTAAAATATTGATACTGTAG
            AAATTTGATATTTTAAAATAAAGTCCAGGGAAATAATGGGACTTATTGCAAAGCTTATGG
            TGAGCTCTACATTCAGATGCTATCATTATACTTTATCAGCTGATAAACATTGAGCAAGCT
            [G,A]
            TTCAACCTCTTGGGTTTTATATCCTCACCAGCTAAGTAGGGATAACACTATATGGTTTTA
            AGAGTTCTTATGAGGTTTAGTAATATAGCCTGGCAGCAGTGGTGATGGTTTATATAGGCC
            CTTGATAAGTGTCACTTAATTTCTCCTTTTCTTCTTTAGCCTCTGGAAAATTGATATTTA
            AACATTTTCTAAAAATTGTATTTTACGTATATTTATGCATTTCTCTGGTAGAAGCTTGTT
            TGGATTTTGGCAATTTTTTCTGATATGAAGTGTTCTTGATTATCCTAGTATAAAAGATAGG

   39962    CCACCCCCAACTAGCTTACTTTAACAGGGATTTATGGAGCATCTGCTATGTATGTAATAG
            TCCAACTCTTATGAAAGGTTCTGTTTCTAATATTTTTTACTATTTTTTTCAATTCTGTCAA
            CGTTGTTTTCTAAGTTAGAATTAAAATATTGATACTGTAGAAATTTGATATTTTAAAATA
            AAGTCCAGGGAAATAATGGGACTTATTGCAAAGCTTATGGTGAGCTCTACATTCAGATGC
            TATCATTATACTTTATCAGCTGATAAACATTGAGCAAGCTGTTCAACCTCTTGGGTTTTA
            [T,C]
            ATCCTCACCAGCTAAGTAGGGATAACACTATATGGTTTTAAGAGTTCTTATGAGGTTTAG
            TAATATAGCCTGGCAGCAGTGGTGATGGTTTATATAGGCCCTTGATAAGTGTCACTTAAT
            TTCTCCTTTTCTTCTTTAGCCTCTGGAAAATTGATATTTAAACATTTTCTAAAAATTGTA
            TTTTACGTATATTTATGCATTTCTCTGGTAGAAGCTTGTTTGGATTTTGGCAATTTTTTCT
            GATATGAAGTGTTCTTGATTATCCTAGTATAAAAGATAGGGAAATCTGGCAGAATCCTTT

   54112    GTTGAAAAGTCTTAAGTTGAATCCTAAGTCAGGGACTGTCTTTATCACTGAATATTTTTT
            AATGCTTCTGCTCCATTTAACTAATGAGGATGTCGAGTAGTAAATCGACCCAATTTATCA
            TCGTCTTAGTCCAGTTTCTGCTGCTATAACAAAATACCACATACTTGGTAATTTACAAAG
            AACAGAAATTTATTTCTCACAGTTCTGGAGGCTGGAAAGTCCAAGATCAAGGTGCTGGCA
            GGTTTGGGCTCAGTCTCTCTTTGCATCCAAGATGGTGCCTTGAATGCCATATTCTCTAAAGG
            [G,A]
            GAGGAACGTTGTGTCCTCACATAGCAGAAGGGTAAGAAAAAGGGCAAGCCTTTCTTATAG
            CTGTATTAATCCATTCATGAGGCTGGAGACACCTCTCATTAGGCCTCACCTCCCATCAGT
            GTGTCATTAGGGATTAAGTTTTAACATGAGTTTTGGAGGAGACAAAAACATTCATACCAT
            AGCAAACATAAACATGTCAAGAATTGTAAAGGGTCTGAGATTTTACTCTACTTTTACTCT
            ATTCTAACAAATTTTTGTGAGTGGCTGCAGAAGAGTCAAAGGAAAGAATATTGCAGCAACA

   56564    GTGCAGGCACAGGCACCGGCTCTGTGTGTGAGGATGTGGCTGGACCCAGGCATACCACAAGTG
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FIGURE 3PPPPP

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TTTTCCACCGTGGGCACCAGGTAACGTGGTGGTACCTGGAAGCTTGGAGATGTTGGAAAC
AGCAGAGCCCCAAAGAGAGTGTCACAGCTCTGGTATCACAGCTCTGATCACAGCCCCTTGC
ATCTGGGCTCCCCAGAGGGCCACAGCTCCTCTTCTTCTCATTGCCCAAAATGTGGTGACC
AGTGGGCGTGTTTCAGTCCTGTTTGTGTTACAGCTCTTTCAGTCCTGCCATTTGGAAGGT
[T,C]
CTGAGTTCTTGTCCAGCCTTTAGGAAGAATGAGGTATGTGGACAGCTGGAGGGTGAGCAA
GGCAGAGAGGAGCTTCATTGAGCAAGAGAACAGCTCTCAGGAGACCTGAAGTGGGTAGGT
CCTTCTGCCATCAGGTCGTCCTGATGAGCGTCCAGCTCTCAGCAGAGAGGATACCTGGAG
GGGGTAGCTGCTGTCCACAGGCAGGCCATCCTCACAAATGTCTAGCTTTCCGCAGAGAGG
ACACCTGGAGTGGGTAGCTCCTTTCTGCAGGTAGGTCATCCTGATGAGTGTCCTGCTGTC
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56577
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CACCGGCTCTGTGTGAGGATGTGGCTGGACCAGGCATACCACAAGTGTTTTCCACCGTGG
GCACCAGGTAACGTGGTGGTACCTGGAAGCTTGGAGATGTTGGAAACAGCAGAGCCCCAA
AGAGAGTGTCACAGCTCTGGTATCACAGCTCTGATCACAGCCCTTGCATCTGGGCTCCCC
AGAGGGCCACAGCTCCTCTTCTTCTCATTGCCCAAAATGTGGTGACCAGTGGGCGTGTTT
CAGTCCTGTTTGTGTTACAGCTCTTTCAGTCCTGCCATTTGGAAGGTTCTGAGTTCTTGT
[C,G]
CAGCCTTTAGGAAGAATGAGGTATGTGGACAGCTGGAGGGTGAGCAAGGCAGAGAGGAGC
TTCATTGAGCAAGAGAACAGCTCTCAGGAGACCTGAAGTGGGTAGGTCCTTCTGCCATCA
GGTCGTCCTGATGAGCGTCCAGCTCTCAGCAGAGAGGATACCTGGAGGGGGTAGCTGCTG
TCCACAGGCAGGCCATCCTCACAAATGTCTAGCTTTCCGCAGAGAGGACACCTGGAGTGG
GTAGCTCCTTTCTGCAGGTAGGTCATCCTGATGAGTGTCCTGCTGTCAGTGGAGAGGAGA
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62685
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TGTCTTAAGACTTTTTTTTTATTTTTTCTTTTGATTTCATCTTTGACCCATTGATTGTTCAG
GAGTATGTTGTTTAATTTTCCAGATATTTGTGGATTTTCCAATTTTTTTTTCCTGTTATTC
TTTTCTGGTTTGTATGATTATGGACAGAAAGATACGTGATATGATTTTAGTCTTCTTAA
ACTTTTTAGACTTGTTTTGTGGTCTAAGTATATGATCTATCCTTCAGAATGTGTCATGTGC
ACTTGAAAAGAATATGTATTTGAGAGCCCCATAGATGGTTCACATCACAGGACTCTGTAC
[G,A]
GACAACCCCCAGTACCAACCCAGAGCTGGGTAGACTTGCTGGGTGGCTAGACCTAGAAGA
CAGACAACAATCACTGCAGTTAGGCTCACAGGAAGACACATCCATAGGAAAAGTGGGGAG
AGTACTACATCAACGGAATATCCCATGGGACAAAGGGATTCGAACAACAACCTTCAGCCC
TAGACCTTCTTCTGACAGAGCCTACCCAATGAGAAAGAGCCAGAAAACCAACCCTGGTAA
CATGCCAAAACAAGGCTCTTCAACACCCCTCAAAAATCACACTAGGGATGTGTTTCCATT
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66226
```
TTATCATTATATGATGACCTTGTCTTTTTTTTGACAGTTTTTGACTTAGTCTATTTTGTCT
AATATAAGTATAGCCACCCCTGCTCTATTTTGATTGCTATTTGCATGAAAATTGCTATGA
AATAGCATGATTGCTATTTATGCAAATAGCAATCAAAATAGAGCTGAAGACTCTATTTTG
AAAGTCTTCAGACTCTTTAAGAACACATATAGAATACTTTCACTTCAGCTTTAACAATGC
ATATAGAATACTTTAAATTAAAATCTTTAAATTAGAGTCTCTTATGGGTAGCATAATTTT
[G,T]
AATCTTGTTGTTTAATCCATTCAGCCACTCTGTCTTTTGACTGGAGAATTTAATGTTCCA
TTTGAAGTAATTATTGATAGGTAAGGGCTTACTAGAGCTATTTTATTGTTTTCTGTTTTG
TAGTACCTTTGTTGTTCTTCTTCTCTTGCTGTCTTCCTTTGTGATGTGATTTTTTTTTTT
TTTAGTGATATTCTTTGATTCTTTTTCTCTTTATCCTTTGTGTATCTATTACATGATTTTT
CTTTGTGATTACTCTGAGGCTTACATAAAACACCTTCTAGTTGAAACAGTCTATTTTTAAG
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69242
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TGGGCATCCCAAAATTGCCGGGATTACAGATGTGAGCTACTGTGCCTGGCCTGTTTCCTTA
TTTTTGTTCTCCACCCAGGTACTCTAATCTCTCACTTGGATTCCTTAGCTGTTGTGAAGG
TATTTTCAAGTGTGGGCAATTGTTCAAGCTGATATTTCTGTGAGGAAAGAGCAGTAGAAA
ACTCCTATTCTGCCACCTTTCCATCATCAGTTTCATCACAGTTGTACTCTTTCTTGCAAA
AACTCTACCATTAGAATTATTTGAAAACTTAGAGCCTTGTTAGAGAGTCTGGCCTAGTTG
[T,C]
ATCCTTTACCTCACTGTGTGTATAGGCGTTTCAGTATCCATAGTTCTCTTGGTCATTAACTA
ATGTTTTTAAATTGTTAGCTAAAAATAAAACAAAAAACAAAACAAAGGAAACTAAAATGA
TATTAGATAAATGAAGTAGACAATGTGGAATGATAAGGATTTGTTTTCAATTTTTTTTTTT
TTAAAGAGGCAGGAGCTCTCTCTGTCTTCCAGGCTGGAGTGCAATGGTGCAGTCCTAGCT
CACTTCACTGTAGCGTCAAATTTCTCTGCTCAAACGATCCTCCTGACTCAGCCTTCTGAG
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71663
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ATAGAAAACCTGTTTCAAATGGCTAGTTAATTATCAACATTTAAAAAAATAGTATAGTGGG
CATTTAGCATGTTTTCAGAAAAGATTTTAGTGCATAAAGTTAAAATTTTCCAAATCACACT
TGCCTAGTTATATTTAAGTTTGCAAGAAAGGTGCTAGGATGGAAATATTGCCAGTGAAAA
TATAAATGTTAATACATTACTAATTTTAGGAGACCACAAGTGTTAGCCACTTACTTAAAT
GTAATGTTTCCTTCTTTTTGGAGCTTCTGAATGGTGATTACAGTGACATTAAGGTCAAATG
[T,C]
GTTTTCTTTACAGCATGAATCCTTACAATCTAGGAATATGCTAATATTCATTGTGAAATT
CCAATTTTCTTATCCAGAGATAACAGCTGTTAACATTTTGTTATAGTTCCTGTAAGATTT
GTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTATGTGTGTGTGTGTGTATGTATAT
TAGAGATGGAGTCTCACTCTGTCGCCTATGCTGGAGTGCAGCAGCACGATCTCAGCTTAC
TGCAGCCTTCACCTACCAGGTTCAAGTGATTCTCCTGCCTCAGCCTCCCAAGTAGCTTAG
```

FIGURE 3QQQQQ

72277 GCCACCATGCCTGGCTGATTTTTTGTGCTTTTTTTTTTTTAGTAGAGATGAGGTTTTACCAT
GTTGGCCAGGCTGGTCTCGAACTCCTGACCTCAGGTGATCTACTCTCTTCAGTCTCCTGG
AGTACTGGGATTACGGGTGTGAACCACAGCGCCTAGCCGTCTTTGTATATTTTAATGTAG
TTAATCTTAAGATATATGTAGTTTTATATTCTGCTTTTTTCACTTAAAATTATGTAGTAA
ACATTTTACATTAGAATTTGTTGGCAAAACTTTTTAAATGACTACACCAAAGACTTTTAT
[A,G]
TGGATAAACTGTAATTGGTTGATCCTTCTTTAGTCTCAAATATTTAGGCTTTTGTCTATT
TTTCCATACCATTGTTATAAAGATATTTGTGTGTAAATCTTTGCATTTATGATTTTTAGA
AATAAAAGTATAAGACTAAATGTATTATTTTTAAAGCTTGTGACAAATATCAAGCTTTT
GTTTTCAGAAAGGTTATTCTAATTTATGATATATGACAAAAATTTAAAATTATAACAACC
TTAAGCAGGAACTCAATTTTCACTTTGGTTATTTTCTTTTTACTTTTCACTAGAGTTTAT

73914 AACTCCGATCCAGGTTAAACTTAGAGGTCGTTGGCTATCAAATTGAGTGTATACCACATA
TCATTAGTTAAATAAACATTTATTTACTCCCATTTTAAAATGTAGCAGTTTTTCTTAATTA
TATGAATAATCAACTGTCTCTCTTTCACTAATTATATATTTAAAATTTACTACTATATTTTC
ACCTGGCACCTTTTTCAGATGAGCCTAGAACATCAGAATGTGACAGTCAGTTGAGTTTCAT
AGGATGAGCTCATTAGCAGTACATTTCTGGTGCAAAGGTTTGAGTGAAGTAGTTTAATTG
[A,G]
CTATAATTATATTTCATTCTTCATATCCCCTTAGGATAATTAGAAGAAATTCATTTTAGT
TTTTATTCTTTAAATACAGTACTGCATTTTATATTTTATTTTTTTTACAGGCTCAAAGATT
GAGGGTTTCTATGATGCTTTATTAAATAAAAGATTGCTTTTTTTGGAATAAATAGTATAA
CCTGTGGAAATGCTATTAATTCCATATTGGTTCTTGGCAGGGCTTTTAAATTTGGTTTCT
TTTGATTTGCTTCTTGTTGTCTAGACAGAAAGTGTCTTCTATCACTCCCAAGATCCCAG

84040 TAGGCTGTTCTCAAATTCCTGGCCTCAAGTGATCTGCCCACCTCAGCCTTTCAAAGTGCT
GGAATTACAGGTGTGAGCCACTGCGCCCAGCCTTGTTTATTGGTTTTCTGTTTTCTATT
TTATTTATTTCTACTCTAATCTTTGTTATTTCTTTCCTTCTGTTTGCTTTATGCTAAATT
TCTTCTTCTTCCTCTAGTTTCTTAAGGTGGGATGTGTGGTTACTGATTTTAGATCTTTCT
TCTTTTCTAATCTAGGCATTCAAAGCCATAAACATTCATTAAGCACTGCTTTAGCGGCAT
[C,G]
ACACATATTTGATATAGTGTATTTTCATTTCCATTTAGTTCAGCATATTTTAGAATTTCC
CTTGGTACATCTTTAAATTATCACAGTCTACCTTTAAGTGTTATTATACCATGTGTACAG
TATAAGAACCTTAGAACAATATATTTCTATTGTTCCCCTCCTGGCCTTTGTGCTATTGTT
GTCATATGTTTACTTTTGCATATATATTGTAAACTTCAAAACATACTGTCATCAGTTTTGCA
CTAAACAGAGTATTTTCTTTTGAAGAGTTTAAATATTAAGGAAAAGTGATATTTATATGT

89030 GCTCCACAATGTAGAGACCGTGTCAGTTTTATTCATTTTTGTATTCTTAGAGCCAGGCCA
AGCATTCAAAACAGCCATGCAGTAATATGAATATATCTGAATCAATGAGTGAATACATAA
ATAATTGAGAAAATGAATGGATATTAGATATTAAAACCTTTACCAACTCTACTTATAGCA
GCCTGACTCTAGTTAACCATAAATACACACTTGTAACGCATGGGCCCCACACTTACCCTA
AGTTATAAAAATGGTACAATTAGGTAATTTCTACCCTAAGACAGTCAGTTTTTGCTCAGC
[G,A]
ATCTAACCACGTAGGCTTGCTTACTTCTGAGACTTGCTTGACCTATCTCATTGAACTCGC
TCTGTGCCTGAGATACATGTCCAATTTCTCAAGGCAAGTTCTTCTTCCAGAATTGTCTTG
TGACATACTTTGAGCCAATTCCCTAGTTGGTTCTGTACCAGTAAACTCATACCCCCAGCT
ATTACATGTAGCACATTCAACATTCAGGGACAAACTTTGATGTAAGTTAAACTTTTTTTT
TCTTTTCTAAATATTGCCCATTAAGACTGTGTTTTAAGGATTGTTTTCTAATACTTTCTT

93320 ATTATATGTTTAGTGAGGTTCTCAATGTTATTTACTAAAGAGCAACAAATCCCAACAAAT
CAAGAGCAATTAGTGGCCCAGTTTTGGTGTATAGTTTCTTATATTCTTTCTAATCTAGTT
TTTTAGCTTTCTGTACTCCCATCTGTGTGAAATTGTTAGATGTTTTCAAACCTAAGCTTGCTT
ATGGAAAATGGAAATAAAACAGAAAGAGGGGAAAGGCTGGGAGAAAGAGAAGCAAAGAC
CTCTTTGAATACTCAGCCCCTTCCCACTCACCCTGTGCATAGCACTTCACATTTTTTACTTG
[A,T]
CTGCACAATCTGTCTGCTTTTCATTGGTTTTTCAGAGTCCTCGAGTGATTTTTGTATTTTG
TCTGACATTTTTCTTTCTTTTTTTTTTTTTTTTTTTTAATTGATCATTCTTGGGTGTTTCTCA
CAGAGGGGGATTTGGCAGGGTCATAGGACAATAGTGGAGGGAGGGTCAGCAGATAAACAA
GTGAACAAAGGTCTCTGGTTTTTCCTATGCAGAGGACCCTGCGGCCTTCCGCAGTGTTTGT
GTCCCTGGGTACTTGAGATTAGGGAGTGGTGATGACTCTTAACGAGCATGCTGCCTTCAA

101668 TTCAGTCTTGCTCAGAGTTGTCCAATCTTCTGGCTTCTCTCTTGTCCACATTGGAAGAATTA
TCGTCTCGGGCCACACATAAAATATACTAACACGGGCTCCGAGCAAGATGGCAGCCTCCG
AGCCGGTTAGGCTACAGCTTCAATATGATTACCCACTGCCAGCTACCCTGCACTGTACGG
CCTTCCTGGCTTCTGGTTGACTTGAACAGGCGCCGAGTTGTCACAGATCTCATTAGTCTC
ATCCGCCAGCGATTTGGCTTCCGTTCTGGGGGCCCTCCGAGGCCTCTACCTGGAGCAGGG
[G,T]
TTCCTGCCCCCCCACCGAGAGCGCATGCCTGATGAGAGACAATGACTGCCTCAGAGTTAAA
TTAGAAGAGAGAGGAGTTGCTGAGAATTCTGTAGTCATCAGTAATGGTGACAGTACTCAT
TTATCACTTAGAAAAGCAATGAAGTGGGCATTTAAGTTAGAGGAGGATGAAGAAACTAAC

FIGURE 3RRRRR

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10/506549

CCAGATTACAACTATTCAAAGAAGCATTGGAAGAAGCAAGAGTACAATAACAATAATGAG
AAGGTCTTGGATCTAGAACGAAAAGCGGTCACAGATCAGACTATAAGCAAAAAAAAAAA

103856 ATGTGCTGCATATCTTGTCTCATTAAGTTTTAAGTAACATTTAAAACTATTAAAGCATGT
TACTTGACCTAATTTTATAGCATTTGAGTTGTCCCATTAAATGGAGCATCTCGTAAATTT
CAAGTATTTTATACTTGGCAATGGTTAAGAGTTAAAAGGTAGTTGGATTTGTCACAGACA
ATGAGTTAAGGAATCCTTTCACGTTTTTCCCAACTTTAAAATTAAGGATTCTCAGGGCCC
TGTGTAGAGCAGTAAAAATAAGACCTCGTGTATGTGTATGTGTGTGTGTGTGTGTGTG
[-,G,T]
ATGTGTGTCTGTCTGTCTGTCTGGAGGAGAATTGATTGGTGTTCCACTTGGGTGAGAGGG
TTGGCTGTGAGCCTCAGACCAGGAAATGTGTCATCTTGCCAAGCACCTGGCTGAGTGTGC
TGGAGTGAGGATTTGAACAGAAACTTCCTTTTCTGTTATTATTCACTACAAAGCTTAAGT
GGCCAAATATATACTGTGAAAATTGGTTTCTTTTAACAAAGATCAGATCCCTCCTTCAG
CTGTACACATTTTTAAATAAAATCATATAGAACTAAAAAAAAATACTAACACGAACGATA

105833 GTATAAGAAATTAGATATATAGATGAGACCTTGGATGACTTGACTCAAACCACTTTCAGA
CAGATGAAACGTAACTTCTAAATCTTTCTAGAAGGTTAGATTTTACGATATGCTCAATCA
TTTAAACAGTTATTTATATGAGACTTACAAGCAGAATTTTTTTTTTTTTTTTAGTATTTTTA
CAATATGCAGTTCACATTTTATGTACTCCTAATTTACTTCTTGTTATTCTTGGAATTTTT
TAAAGGATTTTCCTGATTCTTAAATGGTTCTATTCTTTTTTGCAGTTCTTCTGTTAATGA
[T,C]
ATGTTTTTTTATTTTTTTTTTTAGTTCTCTGTTTGTCCTGGCAAAACTTATATTTGGAAAATG
TTCTATTTTTCAGGTATCCTGGTCAGATATAGGAGGACTGGAAAGTATCAAACTGAAGTT
GGAACAGGCTGTGGAATGGCCCTTAAAAACATCCAGAGTCTTTCATTCGAATGGGTATTCA
GCCACCTAAAGGAGTTCTTCTCTATGGGCCACCTGGGTGCTCTAAAACAATGATAGCAAA
GGCTTTGGCCAATGAGAGTGGACTGAATTTTCTAGCTATAAAGGTAGGATGTTAAATTTT

105955 TAAACAGTTATTTATATGAGACTTACAAGCAGAATTTTTTTTTTTTTTTAGTATTTTTACA
ATATGCAGTTCACATTTTATGTACTCCTAATTTACTTCTTGTTATTCTTGGAATTTTTTA
AAGGATTTTCCTGATTCTTAAATGGTTCTATTCTTTTTTGCAGTTCTTCTGTTAATGATA
TGTTTTTTATTTTTTTTTTAGTTCTCTGTTTGTCCTGGCAAAACTTATATTTGGAAAATGT
TCTATTTTTCAGGTATCCTGGTCAGATATAGGAGGACTGGAAAGTATCAAACTGAAGTTG
[G,C]
AACAGGCTGTGGAATGGCCCCTTAAAAACATCCAGAGTCTTTCATTCGAATGGGTATTCAGC
CACCTAAAGGAGTTCTTCTCTATGGGCCACCTGGGTGCTCTAAAACAATGATAGCAAAGG
CTTTGGCCAATGAGAGTGGACTGAATTTTCTAGCTATAAAGGTAGGATGTTAAATTTTTT
AATCGCTACTCTCTCTTGGCCTCCCCCCAACCCCCATTCTCTGACTCCTACCTTTAGGAGA
ACGAATAAAGGCATCTTAAGGAGCAGTGATTCTTTTTTTTTTTTATTTGATGTTGATGGCAA

107551 CATATTTTTTATTTTTCTGGAAGATATTGGAGAGTAAAGATGGGGGAGGAGACCATTTACA
GCATGATCACTTATGGGGAATCACAACTACAGTTTTAAAGGTTTCAGGTTTATTTGTTTAT
TTTTTTGAGACATGGTCTCACTCTGTGGCCTAGGCTGAAGTATAGTGGTGTGATTATAGC
TCACTGTAACCTCAAATTCCTGGGCTCAAGCTATTCTTCTGCCTCAGCCTCCTGAGCAGC
TAGGACTACAGGTGTGAGCCATCACACCAGCTAACTTTTTAACATTTTTGTAGAGACAGG
[G,T]
TCTCACTGTGTGTTGCCCAGGCTGGTCTCAAACTCCTGGCCTCAAGCAGCCCTCCCACCTTA
CCCTCCCAAAGTGCTGGGATTATAGGAGTGAGCTGCTGCAACACAGCAAAGGTTGCGGTT
TTAAGGGTTGAAGTAATGAGTGATTTTGTCACTTCCCAGGACAACTTGATTTCTCCTTGG
TCCTTGTCCTTTTATCATGTGGTAATGGGGATGGCTGTGTTTACTGGCATTTTCTAGTCT
TTTTACTCTCATCTCCATTTTTTCTGTTCTTACCTTGTATATTCTACAATTGTATATTCA

119296 CCGCCACCACGCCCAGCTAATTTTTTTTTTTTTTTTTTTTTTTTGTATTTTTAGTAGAGACG
GCGTTTCACCGTGTTAGCCAGGATAGTCTCGATCTCCTGACCTCATGATCCACCCACCTC
GGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCGCGCCCGGCCTATGATTATTCT
TTTCATGTATCTGTCTCCTAATTAGCCTCAAATATTGATTTTTAGACTATGTATAATCTA
TTACTCTGAAACAGTTTTTTGGGGTTTTTTTGTTTGTTTGTTTTTGTTGTTTTTTTGAGA
[T,C]
GGAGTTTCGCTCTTGTTGTCTAGGCTGGAGTGCAATGGCGTGATCTCGGCTCACAGCAAC
TGCTGCCTCCCAGGTTCAAGCGATTCTCCTGCCTGAGTCTCCCAAGCTTGGATTACAGGC
ATGTGCTACTACTCCCAGCTAATTTTGTATTTTTAGTAGAGATGTGGTTTCTCCATGTTG
GTCAGGCTGGTCTTGAACTCCTGACCTTAGGTGATCCGCCCACCTCAGCCTCCCAAAGTG
CTGGGATTACAGGCGTGATCCACTGCATCTGGCCTGAAACAGTTTTTTCAAAAAGATTAAT

119555 TGGGGTTTTTTTGTTTGTTTGTTTTTGTTGTTTTTTTTGAGACGGAGTTTCGCTCTTGTTG
TCTAGGCTGGAGTGCAATGGCGTGATCTCGGCTCACAGCAACTGCTGCCTCCCAGGTTCA
AGCGATTCTCCTGCCTGAGTCTCCCAAGCTTGGATTACAGGCATGTGCTACTACTCCCAG
CTAATTTTGTATTTTTAGTAGAGATGTGGTTTCTCCATGTTGGTCAGGCTGGTCTTGAAC
TCCTGACCTTAGGTGATCCGCCCACCTCAGCCTCCCAAAGTGCTGGGATTACAGGCGTGA
[T,A]
CCACTGCATCTGGCCTGAAACAGTTTTTTCAAAAAGATTAATCATCTTGGGTTAATAGAAA

FIGURE 3SSSSS

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        AAAATCAGGCAGAAAGATAAAACTACTTCTGTCATTACTTAAGGATTCCTGTGTGTTTATGC
        TATTAGGTATCTCCCTCATCTTAATTGAATATGATGCAAGGCAGTGTCCTTGGTGGAAGC
        TGGATTCTGTCAGTCTGAACTTTGAGATGTTCTTCCTATCCCTTCTTATTTTTGCTCTT
        AACTTTTCTACCCTGATTCTCATATCTTCTAACCTACTCGTCTGTTACCATATTATCATA

121866  TCTGGTGAAGCTTTCCTGGGCATTTTTGTGCTAAAGCTTTTGCTCACTTTCTCAAAACAC
        TTGCAGTCAGCAGATATTATTATTCTTTGGAAAGTCAACAGGCAAAATATCTTGAGCATT
        CAGAAAAACTGTTGCCATGACCTTTGCTCTTGACCAGTCCATGTTTGCTTTGACTGGACT
        ACTTCTATCTCTTGGTAGCCATTGCTTTGATTGTGCTTTGTCTTCAAGATCTGTAGAGCT
        GTGTTTCATTTCCTGTTACAGTTCTTTGAAGCAGTACGTCAAAATCTTGATCCCACTTGT
        [-,T]
        ACAGTTTTGATTGAAAGCTCTGCCCCTTGTATGCAGCTGATCTGGGCATAAGGATTTTGGC
        CCTAATCATGTGGAAAGTTTGCACAACTTTAATTTTTCAGTCAGAATTGTTTAACCTGAA
        CCAATTGCAGTGGCTCTGGTGGTGGGTATTGTTTGTGCTGTTAATCATTTATCTTCTTCA
        ATTAGGGAACAAACAAGATGAGTTTTTTCCTTGCAAACTGATGTGGAAGGTCAGCTGCTG
        GGGGCTTCATCTTCAACATAGTCTTGTTTCTTTCAGTTATCCATTTGTAAACTGCTATCTC

122895  AGCTTGTAAGCTTATTTAGTGCACTTTAAAATTTCCAATATTATATCTTTTAGCTGTAGA
        AGCTTCATTTGGTTCTTTTTATGTTTTCTATCTTTTCCTCATAATTTTTAATGTTTTTCCTT
        AAAATTCTTTTTTGTCTTCTTCTTTTTTTTAAAAATTTCTTTTGGCCAGGTCAATAACTGC
        ATAGTGTTTTCCTGAAAATTTTTGAAAATATTTACGATACCTGTTTTTAAGATCTTGTTT
        GCCAATTTTATCACTTCTTTTATTTCTATATCTATTTGTATTGAACTTTTTTTTCTCCAAT
        [G,A]
        TTTTATATTTGGATCAAGTTTTTGTTTATTTCTTTAAGATCTCTAAACTTTACAGAAAA
        TTTGCAAGAACAGTCACAAACATTTTTTTCTTCAACCATTTGAATTTAGTTGCTGCCATA
        TGCCCCATCACAGCTGAATACTTCAGTGCGTATTTCTACAAAAAGCAAATTCTCTTACAT
        AACCACAGTGTAACCATAAAATTAGAAATGAGCATTATTATTGTCACTCAAGTTTTGTCA
        GGGGTCCCAATAATTTCCTTTATGACAAAATAAGTTAGTCCAGAATCATGTGTTGCATTT

131609  TTATTTGCTCATATCAGCATGCATCACTCAGCTGGTCATTGCAAAAGTGCTTGACTGTAA
        CAGGGCGGTCTGGTACTGAGACTGGGCTCCCTTGGAATCTGCTGTGTGGGATGGAGGTTGGT
        GTTCTTGTCACATTGGCTCAGATGGGCATGTGTCTCCCAGCAGGTCCGTACATAGATGGG
        ATAGCTCCCAGACTGCAGCAGGAGGGGCTGGAGCTAAGACTGGGCCCCCTTGGACTCTGC
        TGTAGGGACGGATTTGGAAAGCTTGTCTTGTTGGCTCAGAGTGGCATGCATCTCCCAGCA
        [G,T]
        GTCTCAGCACAGATAGGATAGTTCCTCTACTGCACTGGGCGGGGCTTAGACTGGGTCTCC
        TCAGGATATGTTGTGGGATAGAGGCTGGTGAGCATGTCGGGGAGGATCAGAGTCCCAGGC
        CATGAGATTTGTGTGAATCTCCCCCCTGGTTTCTTGTGTAAGCAACTATAAGCTGGGACCT
        CAGCTAGGGAGGCCTGGAGCAGTGTCACAGTTCAACTTCCAGGTTCACTACTGAGACCAG
        TTATCAGTGGGCTGATGAGCTTTTCTGCCAAGGCATTAGTGTGCATGATTTCTCTGAACC

131723  GTTGGTGTTCTTGTCACATTGGCTCAGATGGGCATGTGTCTCCCAGCAGGTCCGTACATA
        GATGGGATAGCTCCCAGACTGCAGCAGGAGGGGCTGGAGCTAAGACTGGGCCCCCTTGGA
        CTCTGCTGTAGGGACGGATTTGGAAAGCTTGTCTTGTTGGCTCAGAGTGGCATGCATCTC
        CCAGCAGGTCTCAGCACAGATAGGATAGTTCCTCTACTGCACTGGGCGGGGCTTAGACTG
        GGTCTCCTCAGGATATGTTGTGGGATAGAGGCTGGTGAGCATGTCGGGGAGGATCAGAGT
        [C,T]
        CCAGGCCATGAGATTTGTGTGAATCTCCCCCCTGGTTTCTTGTGTAAGCAACTATAAGCTG
        GGACCTCAGCTAGGGAGGCCTGGAGCAGTGTCACAGTTCAACTTCCAGGTTCACTACTGA
        GACCAGTTATCAGTGGGCTGATGAGCTTTTCTGCCAAGGCATTAGTGTGCATGATTTCTC
        TGAACCCTTTGGCAGATGATTTTGGTTGCAGGCTCAAGGTCAAATGGGGCTATAGTCAAG
        CCCCTTGAGAGACAGGGCTACTTCTGGGCTTGAATGCAAAAGCAAGCTCAGTGGAGCAGA

132231  GCAGGCTCAAGGTCAAATGGGGCTATAGTCAAGCCCCTTGAGAGACAGGGCTACTTCTGG
        GCTTGAATGCAAAAGCAAGCTCAGTGGAGCAGATCAGTCACTTGGGTGTTAGTGTACCCT
        CTCAAAGTGACCCTCCTGTGTCTTAGGGTTTCACAATTGTGGATGGATGGATAATTCTTT
        TTATTGTGGGCATATATGAGCAGGTTACCTTCTATTTCGCCATCTTGGTGGTGTCACTCT
        ATGAACTACATACTTAAGAGAAATTGCTACACAGAATATATTGAGCATCCTTTTTTTTTTT
        [T,-]
        ATGAATTAAGTCATTATCGTGAACATCAAAAATAGTAATGTTACTTTGGGAGGCCGAGGC
        AGGCAGATGACGAGGTCAGGAGATTGAGACCATCCTGGCTAACACAGTGAAACCCTGTCT
        CTACTAAAAGTACAAAAAATTAGCCGGGTGTGGTGGCGGGCACCTGTAGTCCCAGCTACT
        TGGAAGGCTGAGGCAGGAGAATGGTGTGAACCCAGGAGGCGGAGCTTGCAGTGAGCCGAG
        ATAGCGCCACTGCACTCCAGCCTGGGTGACAGTGCAAGACTTCATCTCAAAAAAAAAATT

135632  CTGTCTGGGCATTTGAGTTAATTTTTATAGTTTATATCAACACATACTTCTTAGTTATTGT
        CTATCAAAATTAGGGTTATTGTAAACATATAATTAAAACTGTAAACAAAACTGGATTAAT
        CATAATTACTTCTTGTAGTAGAACAAAATTATAAAATACGTTACACAGATTTTAAAATTC
        TCTGGAATAAATGTTTTCCTAAAGTAAAATTAAATAGAATATAAATTAGTATTAATAGTTT
        TGCTCCAAAATCTCAGGCAGTAAAGAGGATTATCTATGATGTCATTTCAAACAAATATAT
```

FIGURE 3TTTTT

[-,A]
CACACACACACACACACACATCAGAACTGTTCATAAGTATGTTTTTTTTCCTCTACAAATGTA
TAGCGGTCCTTTAATATGTTCTACAAGTGGTTCATGTTGGGTAATGTAAATTCATGTACT
TTGTGCATAGCTTCTTGATGTGTATATTGATTATAAAATTTTTGCTGGTGGTAATTACAG
TGAAGGGTGAAGCAACTTACAGGTGTCAGTAGTAAGTGTGATATGAAACATTGCTGTTA
TCATCCTTCTTAATTAGAGCTGCCTCATGTGATGAGAGTATAAATTGTCATTAGGAACCT

141539   ACATTCAGATCAAATCATATAATTAGTCCCAAAGTGACAATGCATAAAGAAGAATGTTTC
TGGGCTGGGCACAGTGGCTCACACCTGTAATCCCAGCACTTTGGGAGGCCGAAGTGGGCG
GATCACGAGGTCAGGAGATCAAGATCATCCTGGCTAAGATGGTGAAACCCCGTCTCTACT
AAAAATACAAAAAATTAGCTGGGCGTGGTGGCAGACGCCTGTAGTCCCAGTTACTTGGGA
GGCTAAGGCAGGAGAATGGCGTGAACTCAGGAGGCGGAGCTTGCAGTGAGCTGAGATCGC
[G,A]
CCACTGCACTCCAGCCTGGGTGACAGAGCGAGACTGTCTCAAAAAAAAAAAAAGAAGAAGA
AGAAGGTTTCAAGAATTTAGTTTTCTAAATTCAGGATGTTTCGCAATTGAGCAAAGAATCA
TGATATTTGCTAGTCTTTACTGTCTTGCTCATGCTAAATCAAATTATTTTGACTACTTAA
AATTACTGAAAAGATAAGACATGGTAATTAGCCATGAAGCAGAGGATTGCAGCCAGCACA
TTGTAAGTAGAGCATAGATATACTATTTGCTTGTTAGTCATTGAAGTCTTTGTATTTCAA

142214   TAGATTCTTTGGGACTTGAAGAATAAATAAGCCTGATATTTACTTCTCTTCTGTGTGTTC
ATTTAAATTACGGCACCTTTGAATAAGAATTTTTGTCATATTTTATATTGTAAGAGGAAA
TGCTGCATGATTCTTTTTTCAAAGTATTTTACTACATTTGGGAAAATTAAAAATGCTGTT
AAGGGTAACATAGCTCTTTGGAAAATGGATAAATATGATAGGGAGTGAGACGTTGAGGGAG
GAAGGGGAGTTGAATTATACTGGGCTAATAATAATATTAGATAACATTCCTTTAGTGCTT
[C,A]
TTACATACTAGAAACTACTTACATTGCTTTACAGTAAAGAAAAACTCACAGAAAGGTCCC
TGCATTAATGCAAAGTAGGATATTTATACAATTGGCAGTTGACTCTAGTACTTTGTCTTAC
CTCCTGACTAGCTTACATTTTTACCTTTTTCAAGGTTATGATGTGGTGAGTAGAGCAAAC
TGGGCAGTAAATTATTAGTCAACCTTGTCTTAGGCAACAATCCTGTCATCAAAAGTGCAG
ACATGTAGGGTTGGCCCAGTCTCCTCTGACTGACGAAATGAGTACTGACTAACCTGTAGA

145778   GGGGTAAGCACATTTTTTTTTCTGAAACAGTTCAGTTAGTAAATGTAGTCTCTGTTACTGC
TATTCATCTCTGTTGCTATAGTACAAAAGCAGCATGGAAAATATATAATCAAATGCGAAA
ACAATTGGTTGGTCAGATTTGGTGTCTGTGCCTATAGTTTGCCTACCCCCAGTTTTAAGATAC
CGTAATATCCCTTTGATCTGTGGTCGTATATGTCTTTTGAATAGCAATAATTTGGAAAGG
GGGCTTGACTTTTGAAAGGAAAAGAAAGTTAATGCTTTGGGAATGTCTGGCTTATATATT
[A,G]
GCTGTACATTTTCCCCTATTGTGTTGCCTATGTCTAGCAGATAATAAAGTCTTATGAAAT
CATTTCATTATGTTAGTGATTAAGCATTTGTATTTAAACTTTTTCATAGAGTTGTTTTTG
ATTTCCTAGGATGTCAGTTTTATGGTTTTTGTTTCCTACTGAAGCTTTGAAAGTCAGCCA
AGAATATTTCTCAGTTCATAAAACATTTTTCACTATGCTTTTCTCCAGCTAGCTTTCAATG
ATCTGTGGAAATAAAGAGCAAAGGCCGTATGGGTAATAGGAATGCAAAGAATTATTGTCA

151190   AATATGGTTACCTTCTCTCCGGCCTATCTCCTTTTTCTTTCTTCTTTCACTTAAGGAAATGAT
GTTAAAACATTTTAGTTTTTTTCATAACTTATAAATTGTATCTTTATTACAGATTTTTTAC
TTTTTGAAACAGTAAAAATCATTGACAAAATGATGTTTTTAAAATAATTTTATTCTTCA
TGAATTATAACTTGTTTTATTTGTATACATGCTTAAAATTCTTAAAAATATAAATTTGTC
TCTTTTTCTATTTTTACAAAATATCAAGGAACTAGAATAATGTTATCATCTTCAAGGTAT
[A,T]
TATGCGGTGAAAATGTAATTCATACTCCTCCCAAACTTTGCTATGGAGAGGGGGAGTATT
TTTAGAAAGAATCTCTTTTTTATGTGTTTGTTCCTGTCCAAACTTATTTTCTCTCAGGTGG
TTGTACTCATTACTACTTCTTTGTCAAAGAAAACTGACGTCGGATTTGTCAGGTCAACTAAAG
AAAAGGAAAGGCAAAACAGAATCTAAAACATTTAGATGTATTGTTGACATTTTTAATGAG

157553   ATGAACTCCTCTAGGTAGGGCACAAAAATTAGAAGAATTCTGTTTTATCTAGTAGTGTAG
TCAGGTTAACATTTTTTTTGTTGATGTGTAACCCTCGCCAATGCTAGGAGTATAACCTTCC
TATTGATAAATCCAGTTGTTATTTTTTTATTTCTTTACTTGACTCGAAAATATTTGACACA
GTTAACTCCAGCTTTTTTTTTTCTTTTCCTTCTTTTTTTTTTTTTTTTTTTTTTTGAGATGG
AGTTTTACCCTTGTTGCCCAGGCTGGAATGCAGTGGCGAGGTCTCAGCTCACTGCAACCT
[A,C]
CGCTTCCTGGGTTCAAGCGATTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGACTACAGGC
GCCCACTACCACACCCGGCTAAATTTTTGTATTTTTAGTAGAGATGGGGTTTCACCGTGT
TAGCCAGGATGGTCTCGATCGCCTGACTTCGTGATCCATGCGCCTTGGCCTCCCAAAGTG
CTGAGATTACATGCATGAGCCACCGCACCTGGCCAACTCCAACCTTCTTGATACACTATC
CCCTTTATTCCTTGGTTTCCTTTCTTCTTCTCTGATACCCGTAAAATTCATATATTGAAG

157636   TGTGTAACCCTCGCCAATGCTAGGAGTATAACCTTCCTATTGATAAATCCAGTTGTTATT
TTTTATTTCTTTACTTGACTCGAAAATATTTGACACAGTTAACTCCAGCTTTTTTTTTTTCT
TTTCCTTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTGAGATGGAGTTTTACCCTTGTTGCCCAGGC

FIGURE 3UUUUU

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TGGAATGCAGTGGCGAGGTCTCAGCTCACTGCAACCTACGCTTCCTGGGTTCAAGCGATT
CTCCTGCCTCAGCCTCCCGAGTAGCTGGGACTACAGGCGCCCACTACCACACCCGGCTAA
[A,T]
TTTTTGTATTTTTAGTAGAGATGGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCGCC
TGACTTCGTGATCCATGCGCCTTGGCCTCCCAAAGTGCTGAGATTACATGCATGAGCCAC
CGCACCTGGCCAACTCCAACCTTCTTGATACACTATCCCCTTTATTCCTTGGTTTCCTTT
CTTCTTCTCTGATACCCGTAAAATTCATATATATTGAAGCCCTAACCCCGAATGTGATGGTA
TTTAGCGATGAAGCCTTTGGGAGATAATTAGGTTTAGATGAAGTCGTAAGGTTAGTTCCC
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162146
```
TTTAATATATATAGATCTGTAGTGATGTGTCCTCTGTCATATCTGATATTAGGAATTTAT
GTCTTTTCTCTTTTTTCGTAGATAGCCTGGCTACAGGCTTATTGATTTTATTGATTCTC
TGAAAGGACCAACTTTTAGTTTCATTGTTTTTTTCTCTTTTGACTTCCTATTTTAGATTT
CATTGATTTCTGCTCTAATTTTTATTATTTCTTTCGTTCTGCTTACTTTAGCTTGCTCTT
CTAGTTGCTTAAGGTGAAAGCTTAGTATTGATTTTAGATCTTCTCTAATATATACTCTCA
[A,G]
TACTATAAGTTTTTGCTTTAAGTACTGCTTTCTCTGCATTGACAAATTTTGATAAGTTCTA
TTTTCTTTGTATATTTATAGACAATAGAACTTTGATAAGTTCTATTTATATATTTATAGA
TATATATCTATAAAACTAGTGTATATATGTAAATAGTATATATATATGTGTGTGTGTGTG
TGTGTGTGTGTGTATATATATATAAAGAGAGAGAGACAGAGACAGAGACAGGGTCTTGCT
CTGCTGTCCACACCTCAGTGCAGTGGTGTGATCACAGCTCACTAAGGCCTCAACCTCCCT
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163621
```
GTAAAGTGGGTTTCTTGTAGGCAATATATAGTTAGGTCTTATTTTTTTATTCATTCAATC
TCTGTTCTTTAATTGGTGCATTTAGGCCGGTTGATGTGTAAAGTGATTATTGATATAGTTG
GATTAATATCTACGATATTTGTTACTGTTTTCTATTAGTCGCCTTTGTTCTTCATTCCCA
TTTCTTCTTCTCTTTCATGGCTTTAATTGAGCATTTATGTTATTTTATTTTATCTCTTT
TCTTAGACTGTTAAGTTTTTTGGGTTTTTTTGTTTGTTTGTTTTTCAGTTGTTACCCTAA
[A,G]
TTTTGCAATATATTTCTACTTTCAAATAGCCCTATTCACTTCACAGGTAGTGCAAGTACC
TTATAATAAAAAAAAATTCCTAAGTTATCCTTCTCATGTCCCTTGTATCATTTTTGTCATT
CATTTCACTTGTCCGTAAACTATAGGTATCAAATACATTGTTGTTATTTTGAACAAGCTT
TTCTTAGATCAGTTAAAAGTAGGAAAAATTAAAGTTTTTATCTTCTTTATTTCTTCTTTC
TCTTTCTTTATATAGATCAAAATTTCTGACCTATATTTTCTTCTTTCTGAAGAACTTTAA
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164329
```
ATTGGTGGGTTTTTTTTCTCTCAATAGTTTAAATATTTCGCTTCACTTTCTTTTTGCTCAC
ATGGTTTCTGAGGAGAAGTTAACGTAATTCTTGCTCTTCTGTAAGTAAGGTGGTCCCCAC
CCCTCGACATATGACTTCTTAAAGGTTTTTTAAAAATCTTTGATTTTCTGCCTATGTGTA
GCTTTTTGTTTGTTTGTTTGTTTTTACATTTATTCTGCTCAGTGTTCACTGGACTTCCTG
GATGTGTATCTGACATTAATTTGGGGAAATTCTCAGTGAATGTTTCTTCAAATATTGGTT
[C,A]
TCTTCTTTCTTCTTTTGGTGTTGCTATTACACATGCTACACCTATTTGCTTCATAGTTCT
TAGATATTTTGTTCTGTGTGGTTTATTATTTTTTTTTTAAATCTAGTCCAGTATTTTGT
TTTCATAAAGTTTTTCCTTATCCTTGCTTTTCAGTTTTGGAAGTTTGTATATACATATCCG
TAAGTGCAGAGATTCTTTCCTCAGCTGTTTCCGGTTGACTAATGAGCCCATCAGATGTAA
TCTCTATTTCTGTTACAGTGTTTTTGATCTCTAGCATTTCTTTTTTTATAGCATTTCTTTT
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164414
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AATTCTTGCTCTTCTGTAAGTAAGGTGGTCCCCACCCCCTCGACATATGACTTCTTAAAGG
TTTTTTAAAAATCTTTGATTTTCTGCCTATGTGTAGCTTTTTGTTTGTTTGTTTGTTTTT
ACATTTATTCTGCTCAGTGTTCACTGGACTTCCTGGATGTGTATCTGACATTAATTTGGG
GAAATTCTCAGTGAATGTTTCTTCAAATATTGGTTCTCTTCTTCTTCTTCTTTGGTGTTGC
TATTACACATGCTACACCTATTTGCTTCATAGTTCTTAGATATTTTGTTCTGTGTGGTTT
[T,-]
ATTATTTTTTTTTTAAATCTAGTCCAGTATTTTGTTTTCATAAAGTTTTTCCTTATCCTTG
CTTTTCAGTTTTGGAAGTTTGTATATACATATCCGTAAGTGCAGAGATTCTTTCCTCAGC
TGTTTCCGGTTGACTAATGAGCCCATCAGATGTAATCTCTATTTCTGTTACAGTGTTTTT
GATCTCTAGCATTTCTTTTTTTATAGCATTTCTTTTTGATTCTTGCTTAGAATTTCCATCA
CTCTGCTTACATTACTCATCTTTTCTTACTTGTTGTCTACTTTGTCCATTAGAATCCTTA
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164418
```
CTTGCTCTTCTGTAAGTAAGGTGGTCCCCACCCCCTCGACATATGACTTCTTAAAGGTTTT
TTAAAAATCTTTGATTTTCTGCCTATGTGTAGCTTTTTGTTTGTTTGTTTGTTTTTACAT
TTATTCTGCTCAGTGTTCACTGGACTTCCTGGATGTGTATCTGACATTAATTTGGGGAAA
TTCTCAGTGAATGTTTCTTCAAATATTGGTTCTCTTCTTCTTTCTTCTTTGGTGTTGCTATT
ACACATGCTACACCTATTTGCTTCATAGTTCTTAGATATTTTGTTCTGTGTGGTTTTATT
[A,-]
TTTTTTTTTTAAATCTAGTCCAGTATTTTGTTTTTCATAAAGTTTTTCCTTATCCTTGCTTT
TCAGTTTTGGAAGTTTGTATATACATATCCGTAAGTGCAGAGATTCTTTCCTCAGCTGTT
TCCGGTTGACTAATGAGCCCATCAGATGTAATCTCTATTTCTGTTACAGTGTTTTTGATC
TCTAGCATTTCTTTTTTTATAGCATTTCTTTTTTGATTCTTGCTTAGAATTTCCATCACTCT
GCTTACATTACTCATCTTTTCTTACTTGTTGTCTACTTTGTCCATTAGAATCCTTAACAT
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165385
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GGAAAGGCTAGAGAGGGCTGAAGTTGGGTATTTTCTCTTCCTCTGGGTCAGTTGGTGTCTA
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FIGURE 3VVVVV

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ATAAAACCTCAATAACATAAGCTCTGGGAAAAAATATTTTCTCTTGAGGAGCAGGCCTTT
TTAAGAAGAGAATGCTCTAGTGTATTTCACAATGGGTACTTTTCCTTCCTCCTGCCAGAA
GCACAGGGTAATTTTTCTCAGATCTTCACTGTGAGAAGCTGGTGTAGTTGCTGAAGATAA
AACTCACAAATGTGTGAGGGACCCCGCTCTATGACTCTCAGACTTGTCAAACACTGAACC
[C,T]
CCAGCAGTTTGTTAATTGCATTTCCAGTTGTCCTACCCTGGCACTGGCTCTCATGGAGGT
TTCTCTTTGTGGGTTTCCGCTCCAGAAAGTTGTGATTTTCTGTACCTGGGCTGTCTGTCT
CTCCAATTTTGGGGGCAGTGATTTGCCCTGTGACCTTACTAATATGATGTATCTAAGAAG
AGTTGGTTTTTCAGTTTGTTCAGCTTTTTACTTGCTGTTAGGACAGAGCGAAGACTTCCG
AGCTCTTAACGTTCTGGACCAGAAATTGGAACAATGCTGTCCTTTTATTGTCTCTTCTCT
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169409
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ACTCTTCAATATCTACTCCCCAATCTTGTATCTTACTTTTAGCATATTTCTCTAGAGAAT
TGAAGTTTTGAAATTCTTTGTTTCATCTAATTTATTCTTCCAGAGTTTTTCAACATTTTCA
TCTATACGAAGGTACATTCTAGCTATTTAGCAAGTACTAGTTAGACTCCAGTTGCCATCA
ACACAAGAACTTTGAAGAAGTACTGTCCTAATTGTTGTTTTTAAAGTAATTAGAATAAAA
ATAATGGATTATTCTATTTTTTTTAAGAAGTTAGTCAGGCTGTCACATTAAATTAAGTAGT
[A,G]
TAGGTGCAAAACCAGTCTTTTTAAACTATTACTACCACTTTTTCCCTAGGTCATAATTTA
ATAAAGGAGTTCAGTAATTTAAGTTCCTCATCTATATCTAATATGTAATATTTTATAAGG
ATTTAAGTTGAGTAAACATTTGCTCTCAGAGCGTGAACCAGTTTCTCTTTTTTGTTGTTG
CTGGCATTATTGCCTTGTGTATGACTTTATGAGCTACTTTCTTCCTGTGTACATATACAC
ATTCTTTCAGTTTTAAAAGATGTGATTTTTAAAAAAGACCCCTTTGAATGTAACTATTAT
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169427
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CCCAATCTTGTATCTTACTTTTAGCATATTTCTCTAGAGAATTGAAGTTTTGAAATTCTT
TGTTTCATCTAATTTATTCTTCCAGAGTTTTTCAACATTTCATCTATACGAAGGTACATT
CTAGCTATTTAGCAAGTACTAGTTAGACTCCAGTTGCCATCAACACAAGAACTTTGAAGA
AGTACTGTCCTAATTGTTGTTTTTAAAGTAATTAGAATAAAAATAATGGATTATTCTATT
TTTTTAAGAAGTTAGTCAGGCTGTCACATTAAATTAAGTAGTATAGGTGCAAAACCAGTC
[T,C]
TTTTAAACTATTACTACCACTTTTTCCCTAGGTCATAATTTAATAAAGGAGTTCAGTAAT
TTAAGTTCCTCATCTATATCTAATATGTAATATTTTATAAGGATTTAAGTTGAGTAAACA
TTTGCTCTCAGAGCGTGAACCAGTTTCTCTTTTTTGTTGTTGCTGGCATTATTGCCTTGT
GTATGACTTTATGAGCTACTTTCTTCCTGTGTACATATACACATTCTTTCAGTTTTTAAAA
GATGTGATTTTTAAAAAAGACCCCTTTGAATGTAACTATTATGTGGCAAGAAAGCCTTGC
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169482
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TTCTTTGTTTCATCTAATTTATTCTTCCAGAGTTTTTCAACATTTTCATCTATACGAAGGT
ACATTCTAGCTATTTAGCAAGTACTAGTTAGACTCCAGTTGCCATCAACACAAGAACTTT
GAAGAAGTACTGTCCTAATTGTTGTTTTTAAAGTAATTAGAATAAAAATAATGGATTATT
CTATTTTTTTTAAGAAGTTAGTCAGGCTGTCACATTAAATTAAGTAGTATAGGTGCAAAAC
CAGTCTTTTTAAACTATTACTACCACTTTTTCCCTAGGTCATAATTTAATAAAGGAGTTC
[A,G]
GTAATTTAAGTTCCTCATCTATATCTAATATGTAATATTTTATAAGGATTTAAGTTGAGT
AAACATTTGCTCTCAGAGCGTGAACCAGTTTCTCTTTTTTGTTGTTGCTGGCATTATTGC
CTTGTGTATGACTTTATGAGCTACTTTCTTCCTGTGTACATATACACATTCTTTCAGTTTT
TAAAAGATGTGATTTTTAAAAAAGACCCCTTTGAATGTAACTATTATGTGGCAAGAAAGC
CTTGCTTTGGTTAGGTATTTTGCTATGTGATAAAGATCCTTTGGTAAAATTCAGGAAAGC
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169833
```
TAAGTTGAGTAAACATTTGCTCTCAGAGCGTGAACCAGTTTCTCTTTTTTTGTTGTTGCTG
GCATTATTGCCTTGTGTATGACTTTATGAGCTACTTTCTTCCTGTGTACATATACACATT
CTTTCAGTTTTTAAAAGATGTGATTTTTTAAAAAAGACCCCTTTGAATGTAACTATTATGTG
GCAAGAAAGCCTTGCTTTGGTTAGGTATTTTGCTATGTGATAAAGATCCTTTGGTAAAAT
TCAGGAAAGCTTTGGACCTTAAAAAATCATTCCCTTCCTGATGCAGTATTTTATTAGAAG
[A,G]
TAGGTGAGTTCTGAGTATTTATAGAATCTGGGTTGGTGTTAAGGCATCTCTGAAGTCTAT
ACAAAGTATAAGACTGTATCTTAACAAGGACTGTAGAAACTGCTGAAAGAGCCCTTAAAG
TTTACCTAATTCTGCCTCTGGTTTCACAAATAAAGGGTGCTGAATCCAGAAAAATCTTTC
TCCTGGTAAGAATTCATTGTATTTTTATGATATTTATTTCCTGGTTTCCCTGTGGTTAAT
AAGCTCTAAAATGTCTTAGGATTTTTTGTCACTACGGCTTAATCTAATAGTAGCCTTCTTT
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172752
```
GGTAAGTTAGCAAATTAATACCTTAAGAAAAGCTGGCTCTAACACCTAGACCATTTTCTA
GAAAGTCTACCACGAACAGTTTTCCTTCAGTCACAGCCAGCTTAATCACACACAAAACTC
CCCTCACAAATTCCCTTTCACAAACCCCATTATCACCCACACAGACCATCCATGACATGT
CTGGACCTTGTGACCTGTCCTACACCATCTCCCTCTCAAACAACCAGTTACTTTACTCTA
GGACAAGAATCCACCATGCAAGGTCCCTCATACAAAATCACTTTCTTTATATCCCTCCCC
[A,C]
CAAAAAAAAAAAAAAAAAAAAAAAAAATATATATATATATATATGTGTGTGTGTGTATAT
ATATATATATCTTTTATCCACACTTTCCTCACATCCCTCTTTTTATTCATTGATTCCCTC
TTATTTTGAACCATGGCCTAAATGTGCTGTATATATTCTGTAGTTATGGTGGGGAAAGTG
CCTTCAGTATTTAGTGATAATTATAAAAAAGTTTAATATTTAATTCATTTCTCTTTCAGG
TAGAACTCCCTGTGGAACATGAATTTTTTTTTAACTATACTTTTGTTACTACTCAGATGAT
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## FIGURE 3WWWWW

174593  ATTCTGTGAATATCTTTGAATTCAGTTTATTTGGGTACTTTTAGTACGGATACCTACTAT
ATAACAAGCTCCTAATAAGAACTATTAAATTATAAGCATTATCCCTAGCGTATAAACCTA
GTTTTCTTGTAGTAGGAAATTTGAAGGACTTCAAAAATTTTACTTTTAAGCCATCTATGGA
AAAGATTGCCCAATTGAGAAAAATTGTGAAAGATATGTAGAAGTCTTAAATAATTTTGGT
TTCAGGATTATTTTCTATTGTTGTGTTAGACTCATGGAGGTAGTAAATTGGCATTAATTT
[T,C]
CCTTACAGTTTTTCTGGAAGAGGAAATATGCTTAATGAGCTAAATAAGACATAACATTTT
GTTTTCTTACATTGTTGCAAATTGAAGTTGGGTTTTGTTGTTTGTTTGTTTTGAGATGCA
GGTCTGGCTGTGTTGCCAGGCTGAAGTGCAGTGTCTATTCACAGATCATTAAGTTGTGCA
GCCTTAAACCTTTGGACTCAAGCAATCTCCTGCCTCAGCCTCCCAAGTAGCTAAGATTAT
AGGTGTGCACCACAGCATCCAGCTTAAAATTTAGTTTTCTAGAAAGTTTTATGACATGGG

175255  TCGATATTCAAATGACTAGTATTCCAAAAATACCCTCAGAAGAAAGGCTACAAATGTTTC
TTCATTCTCCATTTTTCCTAGTTATAACTATTGCTTCTAATATTACTCTTCTTAGCTA
AGTCAGAACTAAAAAAAAAAAAAGCTGCAAGGACTAATTGACATTAATAGTTCAAATGAAT
CATAATTCTTTACTTTCCCAAAAGTATTTAAGGAATGGATGCCTATTAATCTTTCACATT
GTTTATCAAATGATGTGAATAGTCTTTGGTGAGCCATATTAAGATTAAAGCTGGAAAGC
[C,G]
TCCTGTACGGTTGTTTTCCAATTTCAGCTTTGCCATCTTTACACAAGACTCTCATAAGTG
TTTTTGTTATTGTTGCTGGATTCTTCTTTTGTTTGTTTTTAAAACTCCAGGTGTTTTAAC
TTCTATGACAGTTATTATTCTTATCTTCTATGGCAGCCCCTTCCAAGTTTTGGCTTTGGG
GATAGAGAATTGGGAGAGATCAGAGAAGAGAGACTGGTGAGAGGTTGTATGCATATGTGG
GTCTTACTTCATTTCGATGTTCATAAGATAAAGACGCTTTATCTCAAGGGTTGGCAGACC

182043  TCTATATCTTGGCTGTAGTGGTGATTACAGGACTGCATATACAGGGATACCTCGTTATAT
TGTGGTTTATTGCACTTTGCAAGTAGTGTATTTTTTATAAATTGAGTATTTGTGGTAACC
CTGCAAGTCCATTGGTGCCATTTTTTCCAACAGCATATTCTCACTTCACATTTTGGTGATT
TTTGTAATATTTCAATCTTCCTCATTATTATTATTATGTTATCTTGATCTGAGATCAGTG
ATATTTAACATTATTATTGTAATTGTTTTAGGACACCATAAACCACACCCATGTAAGACA
[G,A]
CAAACCTAATAAATAAACGTTTTGTGTTCTGGTTGCTCCAACAGCCAGCCATTTTTCTGT
CTCTTTTCCTCTCTCTTGGGCCTCCCTACTCCCTGAGACACAACAGTACTGAAATTATGCC
AAAGATAAACCCTACAATGATTTCCAGATGTTCAGATTAAAGGTAGAGTCTCACATCTGT
CACATTAATCAAATGCTAGAAATGATTAAGTTTCATGAGAATGGCATGTCAAAAGCTGAG
AGAGGCCAAAAGCTAGGCCTCTTTCACCAAATGTTTAGCCAAGTTGTAAATGCTAAGGAA

191691  CCTTCCCCAAGGTTGGGGCCTGATTTTGTTATGGGATCTTTGGGCTGTTGCTTTTCTGACC
AGCAACCTCTGTGGCCAGTGGCGCCTTTGCCTGAGTTCTTGTCCTGCATCCTAGGAAGAAT
GAGGTACATAGACAAGTGGAGGGGTGAGCAAGACAAAGAGGGAGCTTTATTGAGTTAGAAAA
GCTCAGAAGAGGCCTGCAGTGAGTAGCTCCTTTCTGTAGGCAGGTCATCTCGTTGAGTGT
TGAGCTCTCAGCAGAGAGGAGGCCTGGAGTGGGTGGCTCCTCTCTGCAGGCAGGTTGTCC
[C,T]
GACGAATGTTCAGCTCTTAGCAGAGAGGGTAGCTCCTCTCTGCTGCTGGTCATCCTGTTG
TCTGCAGCTCTCAGCAGAGAGGAGGCCCTGAAGAGGGTAGACTCCTCTCTGATGTTGATC
ATCCTGACCTCAGCAGCTCTCAGCAGAGAGGGTAGCTCCTCTCTGCAGCCGGTCCCTCCA
CTGGCTCTGCTCTGCTCTGGCTGAGTCCAGGGCTTTTATGAGCCTCAGAGGGGAGGAAGT
GCATGCCGATTGGTCCATGGGCCTGCGGTAAAGGCACCACAAGTCCCCACTCTGGTCCGC

191860  GAGTTAGAAAAGCTCAGAAGAGGCCTGCAGTGAGTAGCTCCTTTCTGTAGGCAGGTCATC
TCGTTGAGTGTTGAGCTCTCAGCAGAGAGGAGGCCTGGAGTGGGTGGCTCCTCTCTGCAG
GCAGGTTGTCCCGACGAATGTTCAGCTCTTAGCAGAGAGGGTAGCTCCTCTCTGCTGCTG
GTCATCCTGTTGTGTCTGCAGCTCTCAGCAGAGAGGAGGCCCTGAAGAGGGTAGACTCCTCT
CTGATGTTGATCATCCTGACCTCAGCAGCTCTCAGCAGAGAGGGTAGCTCCTCTCTGCAG
[C,T]
CGGTCCCTCCACTGGCTCTGCTCTGCTCTGGCTGAGTCCAGGGCTTTTATGAGCCTCAGA
GGGGAGGAAGTGCATGCCGATTGGTCCATGGGCCTGCGGTAAAGGCACCACAAGTCCCCA
CTCTGGTCCGCAGGGCTGGCAGCCTGGCCCCCAGCCTTCAGGCCTGCCCTGTTCTGAAGA
TGAGGCCTCACCAGGGACCTGCCCTGCCCCTTCCCACCCAGGAACCTGTCTGCATCCTGC
TGCTGCCCATCACACCCAGGCTGCTCACACCCGTGCCAAGGAGCACCCACAGGCCAGCCC

205285  AAATATTTAAATCTCTTTAGTTTTCACAGGAAGTCAATAATGAAACCAGGATCTGAGTAG
AAACAGTTATTTTAAAATCATAATATCACAGTTTTATCATATCAGTTTTTATAGTTGTAA
AAATTTCACATCAGCAGAGGGCAGTCAAACCATAGTTCATTCAACTATCTTATGGGAAAT
TAAAATTTTCTCTGTGTTTTTCTGCTTAGGACACAAGCTGTACTTTATATAATCAGTTTG
TAAATACATTTCAAAGCTCTTCAGTTGGTAAGCTGATAGAATTGTATTACTGTTTAGCCA
[C,T]
GGAAGGTAAACAGTTTTTTTTTAATAAATTTAAATAAAAGGAATTAATTTTTTTAGATCAT
GAAATGCTTTATTATTTGGTGTTTTTGATGGATGGCCACTTTACATAGAAATTTGTTTTT
TCTGCCCTCAGAAGCAGTATTTCTGTTAAAATTGCCTGTTATTAATTTAGGCTATTTTTTATT

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        CAAAAATATTAACTTTTATGGAATACCTTTATTTTTCCCCTATGAACTTGAGAAAAATGAG
        TTTTTATTAGAGGCTGTAGTATAACACTAACTAAAATGTAGTTTGGAAAGTTTTTATTGAG

205541  CTCTTCAGTTGGTAAGCTGATAGAATTGTATTACTGTTTAGCCACGGAAGGTAAACAGTT
        TTTTTTAATAAATTTAAATAAAAGGAATTAATTTTTTTAGATCATGAAATGCTTTATTAT
        TTGGTGTTTTTGATGGATGGCCACTTTACATAGAAATTTGTTTTTCTGCCTCAGAAGCA
        GTATTTCTGTTAAATTGCCTGTTATTAATTAGGCTATTTTTTATTCAAAAATATTAACTT
        TTATGGAATACCTTTATTTTTCCCCTATGAACTTGAGAAAAATGAGTTTTTATTAGAGGCT
        [G,A]
        TAGTATAACACTAACTAAAATGTAGTTTGGAAAGTTTTATTGAGTTTTTCTTCCTTAACC
        TTTTCTTTGGCTGGCTGCAAACAACTAGTGATAATGTGTTTTTAGATGTGCTTATTTTCA
        CCTCTTCCTCCTGGAGGTTAAGCTAGTACTCATTAAGGAAAAAATACAGTTTATACTAAA
        CAGTGTTTAACATATACTGATGGTATTACTGTATTTCCTGTTTTGTGTTCACAATGAGAA
        GATTCTGAAAAACTGTCTTTGTGTAAATACTTTACTGACATACCAGACAAGTATAATCTT

214654  TGGGAGGCTGAGGCAGGAGAATGGCGTGAACACGAGAGGTAGAGCTTGCAGTGAGCCGAG
        ATCGCACCACTGCACTCCAGCCTGGGCAACAAAAGCAAAATTCCGTCTCAAAAAAAAAA
        ATATATATTAGCTGGGCGTGGTGGCACATTCCTGTAATCCTCGCTACTTGGGAGACTGAG
        GCAGAAGAATCGCTTGAACCCAGGAGGCAGAGGTTGCAGTGAGCCGAGATCATGCCATTA
        CACTCCAGCCTGGGCAACAAAAGTGAAACTCCATCTCAAAAAAAAAAAAAAGAAAAAA
        [A,T,G]
        AGAATGTAGTCTGTTGTTGGGTGCAGTGTTTTATAGAGGTCATTTAGTCAGTGGTCCCCA
        ACCTTTTTGGCACCAGGGACCAGTTTTGTGAAAGACAATTTTTCCACAGGTGTGGGGCGG
        GGGTTGGTTTCGGGATGAAACTATTTCACTTCAGATCAGGCATTAGATTCTCATAAGGAG
        CACACAACGTAGATACCTTGCACGCACAATTCACAGTAGGGTTCACACTTCTATGAGTGC
        GCATCTAACGGTGCGGCTGATCAGGCAGTAATGCTTGCTTGCTTGTCTGCTGCTCACCTT

217543  AATCAGCACCAATATTTGAAGATTAAAACTTGATCCATCTGTCAGTTAGAATTTTGATTT
        GGAAAAGCCGCAGGTAACAGTGTAAATTCTAGTTTTACAAATGTAGTAATAAAGAATATA
        CTTCAGTGGCAATTTAAACTTCATATTAGTGAATTAAGATACTCAGTAAGTTTCAGGGTA
        TTAGATTGATAAAGCAATACCTGGATTAATGACTAGTCATTATGAGGTGTACTTTTATCT
        TTCATTTAAGTCAAAACTTATGTTGCATTACATGCTTTACAAAAATTGCCACATTATTAC
        [A,G]
        TTATGGTTTGGCCATAAATAGGAGCAATTTTTGGGAACCATTTATTTTGTGAATGGTTACT
        GATTTTCTGAATCATTCAAGTTCTACATTCTATTAAATTTTATAAGCCTATTATTTTAATA
        TGAGCTTTTTCTGTTTTTCAGACTGATACCCATTATTTTTCAGTCATAGCAGAGAAATAGG
        TTTCCAGGATAAAACAAATTGTTCAGGTATTCAAGCAGCCCTCAGGAGTAGGCAAATATC
        AACAGATAGGTCACTGAGAGATCAAGGGATTTACTCTTTTCTTTGGTATACCATAGTTCT

220982  GAGGCCTTGAGACGCAATAGCTATTACAGGGTGAGCATTCTAAGTTGGAAAATTCAAGAC
        CTGAAATGCTCCAAAATTTGAAACTTTTGAGTTCTAACATAATGCTTGAAGGAAATGCTC
        ATTGGAGCATTTAGGATTTTGGATTTTTAAGGTTTGGGATGCTCAACCCTAAACCAGTAAG
        TATGTATAATGCAAATATTACAAAATCCAAAAAAAAATCTGAAATCTGAAACACTCTGGTC
        CCAAGCAATTCAGATAAGGGGGTATTCACCCCTGTATTATTAGTTTTTTCCAGAAAAAAAAA
        [G,A]
        AAAGATTATCAAAGATACACACCCGACTTTAGCACTAAAATTTTTAAGTTGTTGTACCTT
        CAATTGCTTTATTTTTTCCCTTTCAATTCTAATGTTAAAAAATGTAATCCTGTTTTACAA
        ATATTTCAGCAAGTTTTCAGCAGTCGTCGCTATTACATTAACTATAAATAATCTTTTGGG
        AGACCTATCAACATCTACTTTCTCTTTCACAATTTGATAATTAACGTATATCACATCTGT
        GCCTTTCTTTCTAGGGATTTCCAAGATCTGATGGAATTTGCAATGGTTGATGTATATATG

223142  TATCCCGAAATTGGAAGCTTCTAAAAGGCAGAGATTCACTCTCTTCCTGTGGTGGTTCTA
        GAGGCTGTGCCTTGCATAGAGTTAATTTTTAAAAAAATAATTAATAATTATTTTTCTTACC
        ATTTCTATTACTCATTTTTTCAATTTGGAGAATAATTTTACCTGGCCACACTGATGGAACT
        TGCATACATGGGCCAGCTCTTTTACTCAGTTGCCCAATTTTTGAATGAAACTGAAAACTG
        TGGACAGATACATCAGGGAAGAGGAACATACAGAGTAAAAGACATAAAAGCCTTAAAGTT
        [-,G]
        CTTCAGTTTCTTCATTTCATCTTGTAAATTACACAGGAGTCCTTCAGATAAAACTCACTG
        GTTATATGACAAATTAAGCAATTAGATTACTGCACACCTAATAATAGTAGCAAATAATGC
        ACTTTCAATCTGCTAATATGTTAAGCACTTTTCATTATCTCTTCCTTTTACATAAGGGGA
        ATCTGAAGTTTAGGGAATTTAAAACTTCCACAAAGTTAGTAGTCAGTAGTTTATATACTA
        GTATTAAAATCTGTTTAAAATCCAAAGCCGGTGACATTAACAGTTTCCAAACGATAATAACA

224714  ATTGAGAAAAGAGCTTCAGTACCAAATGAAACAAAGAACACAGATTTCCAGGTGCTTTTT
        TATCTGATCATGTTGCAGCACCATTGGAACCATTGTGTCACTTTAACCAAGCCTCCAATA
        TTTTTATTCTTTCAGATCACAAGGGGTGGATGCCAAACCTCTCATTTTTTTCCTCATGAT
        TACACTACAAGGCAAAGCGCACAGGGTTTGAGTTCGTTGCAGTTGCTAGGGACATACACC
        TAGGGACTGACTACTAGGGCAACCTATGCTGTCATGTCACATTGTTCATAAGTCTTCCGT
        [G,C]
        AGCAAAGATCTGTCCCAACAAATGCCCCATACTCCTTTCACTTCCAAGTTATTTTCTATC
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FIGURE 3YYYYY

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          CTAAACAATTTTTCCTTCCTTTATACTGGAAACTCCAAGATCTATAACATTTTATCATAA
          ACTTGATCTTATTTTATATTATATATATTTGTGTTCCCATTTCACTCTTCTGTTATCTTACT
          CTAACACTTAAATGCTGTATGATCAAAGTTAACTAATTTCTTAAATTTAATGAATCTCTTT
          TAAACCAGGAGATGTCATGTCTTGGTTGTGCATGGTATACATAGGAATGATAGTTTAAGG

224830    AATATTTTTATTCTTTCAGATCACAAGGGGTGGATGCCAAACCTCTCATTTTTTTCCTCA
          TGATTACACTACAAGGCAAAGCGCACAGGGTTTGAGTTCGTTGCAGTTGCTAGGGACATA
          CACCTAGGGACTGACTACTAGGGCAACCTATGCTGTCATGTCACATTGTTCATAAGTCTT
          CCGTGAGCAAAGATCTGTCCCAACAAATGCCCCATACTCCTTTCACTTCCAAGTTATTTT
          CTATCCTAAACAATTTTTCCTTCCTTTATACTGGAAACTCCAAGATCTATAACATTTTTAT
          [C,G]
          ATAAACTTGATCTTATTTTATATTATATATATTTGTGTTCCCATTTCACTCTTCTGTTATCT
          TACTCTAACACTTAAATGCTGTATGATCAAAGTTAACTAATTTCTTAAATTTAATGAATC
          TCTTTAAACCAGGAGATGTCATGTCTTGGTTGTGCATGGTATACATAGGAATGATAGTTT
          AAGGAAACCCATTTCTAGATCTTTAGTGCCTAAAACTGATCTGCTTGAGAATTCACTTGT
          GATGGGGGTGGAAGTTTCTCTTCTCCAAACTCCTCTCTTACCTCTGAAGCATCAAACAAGT

226572    TGTAGCTAGCCTATAGCAACTGCCTTTACTATATTTTAATATGTGCCATTAAGTGTGTCT
          CTTGATTGCTTCTGCTTTCTGCCAGTATGGCTTACTGTTGTAACTAGAGTTAGTTAGCTG
          GCCCACTGATACCACCACCAGAGCCTTTTCTAATCTATTATAGATTTCTAACGTGGGATA
          GGAGGCCAACAATGTTTCTTTGATTACAAATAGGAGGTACATACCTTGCCAAAAATTTGC
          AACATGATAGAATTGAAGTCAGTACAGAACACACACACACTCTATTTTTTTTTTTTTTTTT
          [-,T]
          GAGACAGAGTCTCGCTCTGTCGACCAGGCTGGAGTGCAGTGGCACGATCTTGGCTCACTG
          CAACCTCTGTCTCCCGGGCTCAAGCAATTCTCTTGCCTCAGCCTCCCGAGTAGCTGGGAT
          TACAGGCAGGTGCCACCATGCCCGGCTAATTTTTGTATTTTTAGTAGAGACAAGGTTTCA
          CCATGTTGGCCAGGCTGGTCTCGAATTCCTGACCTCAGGTAATCCGCCTGCCTCGGCCTC
          CCAAAGTGCTGGGATTATAGGCGTGAGCCACGGCGCCTGGCACACACACACTGTTTTTAT

231688    AACTGCCTTTTTTACTTGTAATAACATGAACATAAAAAATACCAATGCAACATGTAAAGG
          TAGCTCCAAAAATTAGTAAGCACAAAGAAAATCAAGCAAAATAAGCACAATAAAACCACA
          GTAGGGCATATCCTAATGAAACTGTTGAAAACCAGTGATAAAAAGAAAACTTTAAAAGCA
          GTCAAATGGAAAAAGAAAAAACAAACCCACACATTAAATACAAAGGAAAAAAAGTAATAA
          TTGTCATTAACTTCTTGGCAGAAACAGTGCAAACCAGGAGGCAGTGGAATGCTGTCTTTA
          [G,A]
          AGTTCTTAAAGAAAAAACTGTTAATCTAGAATTCCCTTTCAAGCAAAAATATCCCTTAAC
          ATATGAAAGTGTAGTAAAGACATTTGTCTTTCAAAGACTTTTGAAAGACAAAATTATCGG
          ACAAATTAAACTTGTGAGAATTTCTTGTTAGCCAACTTGAACAACACCATGAGAAATGAT
          ACCAAGTTCTTGAGGCTGGAGGAAAATGAAGCAGATGGGAACCTGAATCCATTCACTAGA
          TGGAAGCTTGAAAGAAATGGAGGAGAGGGTTAGACAATGTGAAGATTTGAATAAAAATAA

231789    TAAGCACAATAAAACCACAGTAGGGCATATCCTAATGAAACTGTTGAAAACCAGTGATAA
          AAAGAAAACTTTAAAAGCAGTCAAATGGAAAAAGAAAAAACAAACCCACACATTAAATAC
          AAAGGAAAAAAAGTAATAATTGTCATTAACTTCTTGGCAGAAACAGTGCAAACCAGGAGG
          CAGTGGAATGCTGTCTTTAGAGTTCTTAAAGAAAAAACTGTTAATCTAGAATTCCCTTTC
          AAGCAAAAATATCCCTTAACATATGAAAGTGTAGTAAAGACATTTGTCTTTCAAAGACTT
          [T,C]
          TGAAAGACAAAATTATCGGACAAATTAAACTTGTGAGAATTTCTTGTTAGCCAACTTGAA
          CAACACCATGAGAAATGATACCAAGTTCTTGAGGCTGGAGGAAAATGAAGCAGATGGGAA
          CCTGAATCCATTCACTAGATGGAAGCTTGAAAGAAATGGAGGAGAGGGTTAGACAATGTG
          AAGATTTGAATAAAAATAAGGGAGCTTTTTTTTTTCTCATTTTCCAGTTTATTTAAAGAT
          ACTTTACTGTTTAATGTTAAAACCGATATTATAGAGTTCTGTAATATTCATCAAAGTATA

233397    TCCCACCTTGACCAGTGCTAGGGTTACAAGCATAAGCCACTGCACCCAGTCTTATCCCTA
          TTATGTAATTTTTTTTTCTCCTTTCTTCTCATTGTCTTTTTTTCCCTGTCTTCTTTTCCTC
          CACATTCCTTCTTGCTAGTCAAAATAGTGAACAGAGTTACATTTTTTAGTATATGCAATT
          GGCCTTGTGTATCTTTTGCTTTTGCATCTACAGTTTCAACCAACTATGAATTGAAAATAT
          TTGGGGTCGGGGAACAAAAATTAACAATACAGCATTTTCAAAATTTAAATTGTTAAAAAAA
          [-,A]
          TAGTATAACTATCTGTAGCATTTACATTGTATTAGGTATTATAAGTAATCTAGAAATGAT
          TTAAAGTATACAAGAGGATGTGCGTAGGTCATAATCAAGTAGATACCATTTTATATAAGA
          GACTTGAACATCCTCAGATTTTGGTATCTGCAGGAGGTCCTGGAACCAATCCCTCATGAA
          TACCAGAGAATAGTATTTTATTTTTTGAGCAACTAAAATGTTGTTTTTCTGTTAGTTTTA
          AAGCATAGTTTGATTTTGTTTTAAACAAAAGTTCATCTTGGTACCTGTATTAGTCCGTTC

233523    CCTTCTTGCTAGTCAAAATAGTGAACAGAGTTACATTTTTTAGTATATGCAATTGGCCTT
          GTGTATCTTTTGCTTTTGCATCTACAGTTTCAACCAACTATGAATTGAAAATATTTGGGG
          TCGGGGAACAAAAATTAACAATACAGCATTTTCAAAATTTAAATTGTTAAAAAAAATAGTA
          TAACTATCTGTAGCATTTACATTGTATTAGGTATTATAAGTAATCTAGAAATGATTTAAA
          GTATACAAGAGGATGTGCGTAGGTCATAATCAAGTAGATACCATTTTATATAAGAGACTT
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FIGURE 3ZZZZZ

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          [G,A]
          AACATCCTCAGATTTTTGGTATCTGCAGGAGGTCCTGGAACCAATCCCTCATGAATACCAG
          AGAATAGTATTTTATTTTTTGAGCAACTAAAATGTTGTTTTTCTGTTAGTTTTAAAGCAT
          AGTTTGATTTTGTTTTAAACAAAAGTTCATCTTGGTACCTGTATTAGTCCGTTCTTGCAC
          TGCTCTAAAGAAATGCCTAAAATTGGGTAATTTATAAGAAAAGAGATTGAATTGGCTCAT
          GGTTCTGCAGGCTGTACAGGAAGCATGGCAGCTTCTACCTCTGAGGAGGCCTCAGGGAGC

234058    GCTCATGGTTCTGCAGGCTGTACAGGAAGCATGGCAGCTTCTACCTCTGAGGAGGCCTCA
          GGGAGCTTTTACTTACGGTAGAAGGCAGAGTGGGAACAGATATTATAAATGTTAAACTGG
          TGTATGTAATTTAAAGGGACTAACACCCAGGATATGGCTAGACCTTAAGTTAGGACTCTC
          AGCTACATGGCTGTGTTTAGTTTGCAAGTTTATCTCTTCATCATAGTTCCTTCAAGTATG
          CTTGTCATTTCTGTTTTGAACAGAAAAAAAAAATGGAGCAAAATCTTGAAGTTGTAATAT
          [A,G]
          GAAGTTTGAACCAGGGGTAGAATACTGAAACAAACATGTTAAAAGATGGGGTCTAGGCTT
          CACATTACGTACGTAACCCTTCAAGGGCCTATTCTCTATGCTGTAGCTTTTCAATTAATG
          TCAATAATAGAATTCTTAGTACAAAATTCCTAGATACCTAGTCACCATTTTTAAACATTA
          GCTTGTCAGGAAAATGTGCCAAAAAGTTCCAAAACATGAAATTACAAATAAAAACTTAGA
          AAATAATCCCTTTAGCAATTGGGAACTGCCTCAGTACCTACTCAGATTGGAAACCCTCAA

234588    AAAAACTTAGAAAATAATCCCTTTAGCAATTGGGAACTGCCTCAGTACCTACTCAGATTG
          GAAACCCTCAACTTGGTCATGTTTTTTATCACCAAGACAGCTGGTATTGTTTACAACATA
          TGTCTGAGTATTATTTTTAAGTTTCTAATTGCCAGTATCTCCAGTTTTTAAAAGGACACA
          AACCAACCTCTTTGTAAAACTTCTGCCCTCCAAAGGCTTTATGTTCTCTAAGATAGTTAA
          GAAGATTAAAAAAAAAAAAAAAGAAAAAAAAAGAAACTCCTGTTCTTAATGATCCCATGC
          [T,G]
          GATAGTTTTTTTTTGGATAAAGTGTAGGCTGCTGTTCATAGAGATGCCAAGTACATATGA
          AAGGAGGGACTCATATGGAAGGTGAACTTATTACCAGAAATCCTAACCTGCAGGTAGGGT
          TTCTTTCTTCCTCAAAATAAAAATTAACCCATGGGGTGAGACGCAAATTTGGCAACAACA
          CTGAATGATCTCTCTACAAGCTTTTTTTTTTCTTTTTTGAGACAGAGTCTTGCTCTGTTG
          CTCAGGCTGGAGTGCAGTGGTGCAATCTTGGCTCACTGCAACCTCCACCTCCCAGGTTCA

239457    TATACCGCATCCAGCAGGGGTGACTAAGTGATAATAATTACACTAAGTCTTGGGGAAGAA
          AGGATGCTATTTCAGGAGGTGGAGGAGAGGAATAGGTAGTTATTCCATATGGAAATAATA
          CTCTAGGCAAGGGATACAGACATGAAAGCAAGGATGTATTTGAAGGATGGTATCTTCTA
          ATTGCATAGTTCAAAATTCTAAATAGGAGGTCAGTGGCTAATAGAGCTAGGCAAGGAAGT
          TGAAATCACATTATGGAAAAGTTTAGAATTTAGTAGGCAGTAGAGAGACGTAATTTCTGA
          [A,G]
          TAGAAAAAAATACTGTCATGAGATTTTACAAAGATTAATCCCTGCTCTGACTGGATTAGA
          AGAAACAGAAACTGTAGGCCAGGGGTGCAGGGTTCTTCAGGAAAGAAATATAAGACAAGA
          AGTTAAACTAAATAAAAATAAGACAAGGATATATATGAGTGATATTGTAATGTATAAAGA
          AAAGTGTCTCATTAGACTTGCAAGCTGGTCCATTTACATTTGATCATATTTTTAGAGAAA
          CATGAACAAGCCAAGGCAAGTCCAAAGGAGAGTAATCAGGATTTGACGGGGAGGGAGGGA

239491    TAATTACACTAAGTCTTGGGGAAGAAAGGATGCTATTTCAGGAGGTGGAGGAGAGGAATA
          GGTAGTTATTCCATATGGAAATAATACTCTAGGCAAGGGATACAGACATGAAAGCAAGGA
          ATGTATTTGAAGGATGGTATCTTCTAATTGCATAGTTCAAAATTCTAAATAGGAGGTCAG
          TGGCTAATAGAGCTAGGCAAGGAAGTTGAAATCACATTATGGAAAAGTTTAGAATTTAGT
          AGGCAGTAGAGAGACGTAATTTCTGAATAGAAAAAAATACTGTCATGAGATTTTACAAAG
          [A,G]
          TTAATCCCTGCTCTGACTGGATTAGAAGAAACAGAAACTGTAGGCCAGGGGTGCAGGGTT
          CTTCAGGAAAGAAATATAAGACAAGAAGTTAAACTAAATAAAAATAAGACAAGGATATAT
          ATGAGTGATATTGTAATGTATAAAGAAAAGTGTCTCATTAGACTTGCAAGCTGGTCCATT
          TACATTTGATCATATTTTTAGAGAAACATGAACAAGCCAAGGCAAGTCCAAAGGAGAGTA
          ATCAGGATTTGACGGGGAGGGAGGGATGAGGGTCTGCAAGTGGTGAGTTCCTGGTTAATC

239555    GTTATTCCATATGGAAATAATACTCTAGGCAAGGGATACAGACATGAAAGCAAGGAATGT
          ATTTGAAGGATGGTATCTTCTAATTGCATAGTTCAAAATTCTAAATAGGAGGTCAGTGGC
          TAATAGAGCTAGGCAAGGAAGTTGAAATCACATTATGGAAAAGTTTAGAATTTAGTAGGC
          AGTAGAGAGACGTAATTTCTGAATAGAAAAAAATACTGTCATGAGATTTTACAAAGATTA
          ATCCCTGCTCTGACTGGATTAGAAGAAACAGAAACTGTAGGCCAGGGGTGCAGGGTTCTT
          [C,A]
          AGGAAAGAAATATAAGACAAGAAGTTAAACTAAATAAAAATAAGACAAGGATATATATGA
          GTGATATTGTAATGTATAAAGAAAAGTGTCTCATTAGACTTGCAAGCTGGTCCATTTACA
          TTTGATCATATTTTTAGAGAAACATGAACAAGCCAAGGCAAGTCCAAAGGAGAGTAATCA
          GGATTTGACGGGGAGGGAGGGATGAGGGTCTGCAAGTGGTGAGTTCCTGGTTAATCAGCT
          GGGGAAAAAAAAGACCAGGAAGGAGGAATGTGATAGGCAGCTTCAGTTATTCAAAGGAC

242177    AACCACCCCTTTTGGGCTCTTATATAAATTCAGAGCTATACTTCAAGTCACCCCAAGATC
          TGCCTTCTTTGTGACCTCTAGTGATCCTTCTAACCCATAGTGATTTTTCCCTACCTTGAG
          CTTTCACAGCCCCAGTTCTTCCATATTTTGTCACTTACTTTGTATTTTGAGTTATTTTCT
```

FIGURE 3AAAAAA

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AATTATTTCATGTGTGTAACTTACTTTCCCAATAGAAATTTAAGTCTTTGAAGAGAGGAA
ACTGTATTATTGGATATTTTTTGTTTTTGAGACAGAGTCTCGCCCTGTCACCCAGGCTGG
[C,G,T,A]
GTGCAGTGACACGATCTCGGCTCACTACAACCTCCGCCTCTTGGGTTCAAGTGATTCTCC
TGCCTCAGCCTCCTGAGTAGCTGGGATTCCAGGCACCTGCCACCACGCCCAGCTAATTTT
TTATTTTTGTATTTTTAGTAGAGATGGGGTTTCACCATGTTGGCCAGGCTGGTTTATATCCC
CCACTATGTCTAGCAAAAAATGTAATTGTATAATTATCTAATTAAGATTTATTGAAATGC
TTTAAGTTTTTAGATTCTAATTGAAGTCTCTATGCCAATACTTTATTACTTTTTTTGGTT
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247768
```
TTCTGACCTCAAATGATCCGTCCGCCTCTGCCTCCCAAAGTGCTGGGATTACAGTTGTGA
GCCACCGCGCCCGGCCTGTTCTATATTATTTTAAAACCTAAACCCTTTCCTCTTAAACAA
GCAGACATCTGTAATATATGTAACCTAATTGTAAAATAGATAAACGTAACAGAGAGTATG
GTTGGTATAGTTTCTGGTTAGTGCTAAATGATTGGAACAAAGAAAGGAGAGATTACTCTG
GACTGGAATGATCAAGAAAAGCTATATAAGGATACAACTTGAGGTGGACTGTGAACTCTG
[T,A,C,G]
GTAGAAACAGAGTTAGGGTTCGTTTTTGGAGGTTCTAACAATTGTAATATTTTTAGTAGTT
ACAAGTAGAGCTCTGTCATTCCCATCATCTAATTATAATGTGCAAAGACTGATTGCATGT
ACTCTTTGACTACAGTTCTTGGCACTAATAACCCTAAACAAAGCTGGAGGCGCTAATTAC
CTCCTTTTCCTAATCTGAATTTTTGATGTGCTTTTGAACTAGTAAGTCTTCTGGCATTCTA
AGAAGACTTACCCCATCACTGGGGAGACATTTACTTCAGCATTCAGAAAACTAGATTTTT
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249117
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GATTTCAACCACACTGGCAGGTGTGCCCAGCTCTGCCCTTTGCTAGCTGTGTGACCCTAA
AAATGTTACTTAGCCTCTTTGTATTTCAGTTTCCATGTCTGGAACACGGAAGTAATACTG
ATGCCTCCCTTGTAGATTTTTGTAACAATTAAAGCAGTTAATGCTTATAAAAGTTCTCAG
AACACCCTGGCACATAGTAAGTCTGTTGTTATAAATATTTTCAACATTATGACTGTTTTT
GTCAGGATGGGTTTTTTTAAAGCAATGCATAAAAGTACTATAAATATACATTTGTTCTAT
[A,G]
TAATGGCCCAACTAAGGAAACAAAAGCAGATAAGGTAAAAGCACAAGAAATGAGGAAACAG
AAAGAAGGCAAACAGGAATAGGCAGAAGGATAAGTACTAAAAAACATACATACACTTCCA
GGGAGAGAGGACAGATCAGAAAGTTCTTCCTATTTCTAAAATTTGTTTATACACACACAC
ACATGAAATGAAATTCTAGACTATAGTAAGTGATCTTTGGGCTATTTCCTATATCATAGC
ATTTTCACATTGTATTTTGTTTGCTCAGTTAATTATCCATCTTCCCCTGCAAGCTCTTGA
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249605
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ATGAAATTCTAGACTATAGTAAGTGATCTTTGGGCTATTTCCTATATCATAGCATTTTCA
CATTGTATTTTGTTTGCTCAGTTAATTATCCATCTTCCCCTGCAAGCTCTTGAGGGTAAG
AAACATTATGTCTTGTTCATCTTTGGAACCCTACTGTCTAGCATGTAGAAAGCTCTCAAT
ATTTAAATTGAATTTAAAAATAGGGTTTTGCAATACTAACTTGTATTTTTCCATAAATGC
TTTTCTAATATTTTCCATAAATTTTCCACAAATATGCCTTGATATTTTATATATATATAG
[G,A]
ATTCCTTGACTGTGTGTGACGTAGTTTAAAATTTTCCTTTTTCTAAAATTTTTATTTTCT
TTTTAATTTGGAAGTCTCCATTCTTATTAAAATTAAGTGCTTATGCTATTTAATATAATA
ATACTTGTTACACCTTTAGGAAAACATAGTTGTTCACCATGCTTTATATACCATGTGTGA
ACTTTTCTATATTTTTTTTCCTTTCAGAGTGTATTGTTCTTTTTGTTTGTAAAGCAGCATA
CTTGATGCTGCAACCAGTGACTTTTTGCCATGCATTCTTAATACTTCTTGGAATATTTGG
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250289
```
AACAAAGTAAGATGTGTGTCAGCATTCATCCTAACACTTTATAAAAATTGTTATAGCCCT
ATGGGGCAGCATACACAAGATAAGTTAAATAATGTGTAGTAGTTGAGACCATGAGAAGGAGT
TTTGTCTGTCTATTTAATAGTCTTTGCATGATAAATTAGCTTCCTAGCTTTGAAGGCTTC
ATTAGTCTTAATTATCCAGAAAGCATAAACTTAGCCATCAAAGTGTATCCCTAATAACGT
TTTACATCTTTAGTGAAATGTTGCCTCTTTAATCTGTACCTAAACCAATTTCACTATCTT
[C,T]
CTATAATCTATAGGCGAAAAAGAGCATTAGCTTAGACCATCAAAATGAAATGATTCAGGA
ACTGGGTTCAGAGGCAAAACATTTCTCACCCATTTTATGGGGCCTTTAGGAAATTTTCTT
TCATTTAGTTCACTGTTACTTAAGTCTGTTATTTCAGAAGACCACTACTTCCTATTTTTG
AAGTATAAATACTTTAAAGATTTTCCCATTAAGATGTTGCTTTGTTGGTTTACAATACTG
GGACTACTATATAGGAACAGATCATTTTTTTCTAGAGACAAGGAACAGAACTTTCTGCTAG
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251073
```
CTTAAATAGGTTAATAATTGTCAAAGATATTGAAATGGTAGTCAAAGCCCTCCCCAAAAA
CTAAACACAAACACTTGAATAAACAGACACACTTTCCTAAGCCAAATAGATTTTATAGGA
CATTGTTACCAGATTTTCAGGGGATGTAACTCCTGTCTCATATGGATGCTTTAAAAATAA
AAAAAAGCCAGGATACTATCTGGCTAATTTTGCAAGGCTTGTACAACCCTAATTCCAAAA
GATAGCACAAGAACAGAAAAGTATAGGTCCACCACACTTATCATTACAAGTGTGGGAATT
[C,T]
TAAATCAAATTTAGTGAATAAGTCCAATGGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGAG
TCGGATTCTCACCCTGTCACCCAGGCTGGAGTGCAATGGTGCAATCTCTGCTCACTGCAA
CCTCTGCCTCCCAGGTTCAAATGATTCTTCTGCCTCAGCCTCCCGCGTAGCTGGGCTTAC
AGGCGCCCACCACCACGCCCAGCTAATTTTTGTATTTTTAGTAGAGACAGGGTTTCACCA
TGTTGGCCAGGCTGGTCTCAAACTCCTGACCTCATGATCCGCCTGTCTCAGCCTCCCAAA
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252314
```
TAACCTAACAAAAAATTATAATAGCTTTATGGAACAAATTACAGAACTTTACTAAAGGAC
```

FIGURE 3BBBBBB

GTAAATGAAAACTTGGTTAAATGAAGAGCTATAACATGTCTATTGGTGGGGCACATAACA
ACATAAAGATACCAATTCTCCCCAAATCCAATTCCAATTAAAATTATAATAAGACTTTTG
GGGAGCCTCAGTTAACTGACTCTGATGTAGAAAAAGTTTCTTAGATAGCTAAGTCTATTT
TGAAATGTATCAGGAAGAGGGATGATTTTTTTTCAACCACATTTTAATCCATATTTGTAAA
[-,A]
GTAATATGGAACTGGCATAGAAACAGATGATTACACTAATGAAACAGAAGAGACAGGTCA
AAAACAGAACCATGGTGGGGAAAAGGAATGTTGCTTAGTAGGTTCTTGAAGACTGGTTTA
CAAAATTTTAAAAATAAAGTTGGGCCCCTACTTCACATCACATACCATGTGAACTCCACA
GAGAACAAGGACTTAAAAGTGACAGGTATAACCACAGAGCTAATAGAAGAAATGTAAGA
GAATATTTTTCTGATCTTTTTTTTAAAAAAAAATATATATATATATATTATTTTGAGACAC

253696
CGTGTACATATTCTATTGAAACACATTTCAGCTTGATAATGTTGTGTATCCCAGGATGTT
TACTGTGGAAGTGTTTCTGGTAGTGTGGGGTTGAGGACAACTTAAGTGTCCATCACTATG
AGAATGGTCAAGTAAAATGCAACGGATGCATCCTGTGGAACGTTCTGTAACAGAGCAATA
AAATAAATGTTCAGGCAATGCCCTCCAGCCAGAGACTCCTGGGAACATACACCTGGAGTG
GAACAAGTTGGGTTTATTCCTCCTTGTATGGAGGGGTAATGCACACCTTGCAGAACTGGG
[A,G]
GTGTCTTAGCAAGAGGATGTTAGGAGGGAATTATAAGAGCTGAGCTTGTATGAGATGATA
TGGGGGAGAGCTTAAGAAAGTGGGCATTGTACTGGATTGCTTACTTTCAGGAGGCAGAGA
CAACGCCATGATTGATTATCTTAATTAAATCATCTGTAAGGAGGGAAGAATTGAGTGAAG
CTAATGGTGTAGTTGGTGAAGAAGCAGTCACTCTTACTAGCTGGAACTGGGAATATATGT
TTATTTTGTGGCTTGGAGAGTGTTCATATTTTGTCCATACCTGAATATGCAGCGGTCTTG

253831
AATGCAACGGATGCATCCTGTGGAACGTTCTGTAACAGAGCAATAAAAATAAATGTTCAGG
CAATGCCCTCCAGCCAGAGACTCCTGGGAACATACACCTGGAGTGGAACAAGTTGGGTTTT
ATTCCTCCTTGTATGGAGGGGTAATGCACACCTTGCAGAACTGGGAGTGTCTTAGCAAGA
GGATGTTAGGAGGGAATTATAAGAGCTGAGCTTGTATGAGATGATATGGGGGAGAGCTTA
AGAAAGTGGGCATTGTACTGGATTGCTTACTTTCAGGAGGCAGAGACAACGCCATGATTG
[A,G]
TTATCTTAATTAAATCATCTGTAAGGAGGGAAGAATTGAGTGAAGCTAATGGTGTAGTTG
GTGAAGAAGCAGTCACTCTTACTAGCTGGAACTGGGAATATATGTTTATTTTGTGGCTTG
GAGAGTGTTCATATTTTGTCCATACCTGAATATGCAGCGGTCTTGTTTTTGTCTTGATCT
GTTACTGTCACAGAGTGGCCTCGTCTAATGTTGCTGTTCTGTGAAATTGTTCATGTTCAA
CAGAATACCAAGTGAGTCTCAGACCAGCTCATGATAACATAAAGGCCATGCTAGTAATAC

253888
AGGCAATGCCCTCCAGCCAGAGACTCCTGGGAACATACACCTGGAGTGGAACAAGTTGGG
TTTATTCCTCCTTGTATGGAGGGGTAATGCACACCTTGCAGAACTGGGAGTGTCTTAGCA
AGAGGATGTTAGGAGGGAATTATAAGAGCTGAGCTTGTATGAGATGATATGGGGGAGAGC
TTAAGAAAGTGGGCATTGTACTGGATTGCTTACTTTCAGGAGGCAGAGACAACGCCATGA
TTGATTATCTTAATTAAATCATCTGTAAGGAGGGAAGAATTGAGTGAAGCTAATGGTGTA
[G,A]
TTGGTGAAGAAGCAGTCACTCTTACTAGCTGGAACTGGGAATATATGTTTATTTTGTGGC
TTGGAGAGTGTTCATATTTTGTCCATACCTGAATATGCAGCGGTCTTGTTTTTGTCTTGA
TCTGTTACTGTCACAGAGTGGCCTCGTCTAATGTTGCTGTTCTGTGAAATTGTTCATGTT
CAACAGAATACCAAGTGAGTCTCAGACCAGCTCATGATAACATAAAGGCCATGCTAGTAA
TACAATACCAGAGCAGCTCTCAAATATCCCTTCTGTTTTTCAGTACTACAACAATACACA

253894
TGCCCTCCAGCCAGAGACTCCTGGGAACATACACCTGGAGTGGAACAAGTTGGGTTTATT
CCTCCTTGTATGGAGGGGTAATGCACACCTTGCAGAACTGGGAGTGTCTTAGCAAGAGGA
TGTTAGGAGGGAATTATAAGAGCTGAGCTTGTATGAGATGATATGGGGGAGAGCTTAAGA
AAGTGGGCATTGTACTGGATTGCTTACTTTCAGGAGGCAGAGACAACGCCATGATTGATT
ATCTTAATTAAATCATCTGTAAGGAGGGAAGAATTGAGTGAAGCTAATGGTGTAGTTGGT
[G,A]
AAGAAGCAGTCACTCTTACTAGCTGGAACTGGGAATATATGTTTATTTTGTGGCTTGGAG
AGTGTTCATATTTTGTCCATACCTGAATATGCAGCGGTCTTGTTTTTGTCTTGATCTGTT
ACTGTCACAGAGTGGCCTCGTCTAATGTTGCTGTTCTGTGAAATTGTTCATGTTCAACAG
AATACCAAGTGAGTCTCAGACCAGCTCATGATAACATAAAGGCCATGCTAGTAATACAAT
ACCAGAGCAGCTCTCAAATATCCCTTCTGTTTTTCAGTACTACAACAATACACAAGATCT

255016
AATAAAACATGCCCACCAGTGTAAAATGATAGCATTAATATTTCTTGTGGGAACTTGATT
TAGCTTTAAATGTACCCAAAAGCTTTCGAAGTACAAAAGCCCTCCATATTAGCTCCAGAGA
AACCAAGTTTATTATATCTTAAGGAAAAGATTTCTTCATCGAACCTTAAATTTAGTGTCTG
TGTAATCATGTTATTTTGTCATTTACTTTTTAACTGTAGAAAAGAGCTTGATTTGATTTT
TTTTTTTTTTTTTTTTGAGACGGAGTCTTACTCTGTCACCAGGCTGGAGTGCAGTGGCACG
[G,A]
TCTCGGCTCACTGCAGCCTCCGCCTCCCAGGTTCAAGCAATTCTCCTGCCTCAGCCTCCC
GAGTAGCTGGGACTACAGGCGTGCACCACCATGCACAGCTAATTTTTTGTATTTTTAGTAG
AGACGGGGTTTCACCGTGTTGGCCTGGGATGGTCTCAATCTCTTGACCTTGTGATCCACCC
AAAGTGCTCTGATTTGGGAGACCTTGGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCC
ACCGTGCCTGGCCAGACCTTGATTTTTTTTTAGGAGTAAAGAGACTTCCTACCTCCACTCTAG

FIGURE 3CCCCCC

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256221   GGCTATACTCTAGTGGTAAAGTCTGGGCTTTTAGTGTAACCATCACTGGAATACTGTACC
         TTGAACCCATTAGGTAATTTCTCATCCCTTACCCGTCTCCTTCTCTGCCATCTTTCCAAG
         TCTCTGATGTCTGTTATTCCACTCTGTAGCCGACATTAATTTTTAAGGATAGTTACTCTT
         TATATACTACTTCTGTAAATCCATAACAGATCCCCAGGTTTTTTCCTTGTCTATTAGGAA
         CTGTTTAAAAAATTTTTGTTTAAGAAACAAATGTATCTCCATTCATATTCTTGAACAACAC
         [T,C]
         TCTAATTAATGAATTACTCAGAAATTTTGCTGATGAAAACATGTTATGAAATCTGTATAT
         TGTATAAGACCTTTGCTTCCCTGAGAGAAATCACTCCCATTGTTTCTTCAGGAACTTATT
         CTTTCAGACTTGCAGGTTTGAACTCTTGAAAATTTCTATGTGTTTTCTCTCTGAATATGT
         AGAAATTCCATGTTTGTTCTATGTAGATAGGATTAAGATGGAACTGTGTTCTAAAAATTG
         GGTTGTTTTTTATAAATTGTCCAAATTTACATTTTCCTAAAAAATATATTAAGAATGTTA

256464   TTTAAAAAATTTTTGTTTAAGAAACAAATGTATCTCCATTCATATTCTTGAACAACACTTC
         TAATTAATGAATTACTCAGAAATTTTGCTGATGAAAACATGTTATGAAATCTGTATATT
         TATAAGACCTTTGCTTCCCTGAGAGAAATCACTCCCATTGTTTCTTCAGGAACTTATTCT
         TTCAGACTTGCAGGTTTGAACTCTTGAAAATTTCTATGTGTTGTTTCTCTCTGAATATGTAG
         AAATTCCATGTTTGTTCTATGTAGATAGGATTAAGATGGAACTGTGTTCTAAAAATTGGG
         [T,C]
         TGTTTTTTATAAATTGTCCAAATTTACATTTTCCTAAAAAATATATTAAGAATGTTAGCT
         TGCAACCTCTTTTAAATCCATAATATGCTGACATATTATCTTTGCAATAAAGAATATTGG
         AAAAACAATACTGCTGCAAGTGTACAAATGGTATTTAATTCCACATGCTCCTGTGCTTCC
         ATCAGTCCCTGCACATAGGCTTCTCTACTCCTGATTCTAAAGCTCATTTACACTAAAAAG
         GTTATTGAAAGGTACTTGATCTGTTTTTGAGCTTAAGAAATAGAGCTAATGGACAGTGTC

263085   TTAAAACTCAGGTCTCGTAACTGCCTGCCAAGACTATCCCTTTATTTTGTAGGTGAAACC
         TAGGCAAAGCCAATTTGGTGCTCACTCACCCCTTCCCAGAAATGAAGTTGGTTGATGGCT
         CTTTTGAAAGTATTAAGTTCAGGTATCTGAAAAATTGGAGGAATATTAGTAATAGTTAAC
         CTTTAGCTACTGAGTTGGTGCTGTACCTGTTTATCTCGTTTAATTTTTATTCTATCTCAT
         ATGAGGTAGATGTTGTTATGCCCATTTTACTGTTTTTTATTATCTATCTAGTATTCAAAG
         [G,A]
         TTCATAACATCAAAAAAGTCATAATAACTGTTACAATAGCTACTGTAGATCCTTATTTTT
         GACACTACCCTTTACTCTGTTTTACATATCATTTTATTTGTCATGCAACTCTGTGAGAGT
         CTAAGTATGAATGTCTACATTTTAAATATGTACCACCTTACACTAAATAGGTTGAAGTAA
         TTTTGCCCAAACTCACACAGCTAATAGCTGAAATAAGTGAAGTTTTAACTCAGGTCTGAT
         TTCAAATTTCATTTCTTTCCTGCTACTTTATCTTACTTCACATATATAATTTTACCTCTT

265178   AAATAGGTAGCAAATCCAGTCATTCAAAATTATAAATAACCACTAAAGGGAGAAGTCAAT
         GCTCACTTTAGCTTGGTTTCTGCTGTTGTTCTTTATGGTGTGCATTTGTGTTTTACGGTAC
         TCTCCGAAATAGCTCTTCACAGCTACTTTATGTATAAGCTCTTTGTCACATCTAATGGAA
         CTTTTTTGAAGTTGTTTGCATCAACTTGAATCTTTAGTTGTTCCCTAAGTTCATTCTGGA
         ATGGCTGAAACCACTTATAAAGAAGAAAGTATTAAGGGCATTGAGTTACCCAACGTATTA
         [G,A]
         TTGTTATCGCTGAATTCTACTTTTAACCAGGAATATACTTTGGTCTTCGTTCAAAAGCAC
         ATCATTTTTTGTAATTAAAATATATATGGAGACAATATAGTCTTTAATTTAGTTATTAA
         GAATATTGGTATTCTGTTTGAAACTTGGAAATTCTGACATCAAAATTATATTTATTACTG
         ATTAGACATAATTGTATCATTTGGTTATTTTTATATCTAAGCTAAAGTGATCCTCTCTAA
         TCCTTTATACTCTAGGTTTTTTTTTTGTAAGGATATAATGCCAAAAATTTTGAAAAAAGAA

265800   CTGTAATCCCTGCACTTTGGGAGGCTGAGGTGGGAGAATCTCTTGAACCAAGGAGTTCAA
         GACCAGCCTGGGCAACATGGCAAAACCCCATCTGTCCAAAAAATACAAAAATTAGCTGGG
         TATAGTGGCACATGCTTGTAGTCCCAGCTACTCTGCAGGCTGAGGCAGGAGGATCACTTG
         AGCACTGGGGAGGTTGAGGCTGCAGTGAGCCATGATCATACCACTGTACTTTAGCCTAGG
         TGACAGAGTGAGGCCCTATCTCAAAAAAAAAAAAAAAGACTGAACTTTAGTCTTTTAATGT
         [T,G]
         ATATTTCTGGATTTAAATAAAAACAGAAGAAAGATAATGAAGTGTGCTCTTTCATTCTTA
         ATCTTTCATTTTTATTCTTATCATTAAACATATGGAACACATCTTAGGTAGACCATATAT
         ATTTTTATAATTCTATATTTTGTTAAAGATTTATATATTTTAGTATTGCCTCCTTAATAG
         ATGCATTCCTACAAAGTTTGTTCTGTAAGAACTTCCTATTTATTGTAGTGATTTTTTCCC
         AGTGATTTTCATTATAATATTAAAACTATAAGCCATTTTTCTACTTTTGACATCTAAATG

269688   CATCTATCCATATTCTCTCTCCCTGTCTTCATCTTTCTCTCTCTCTTCTATCCTACCCAT
         CACCTATTGTATTTAGATAAGGAAAACAGGGTTATTTTGTGGCCTCCCTATAACTTTAAC
         AACACCCTTCTCCATTTTTTGTTTTCCATGAGTGGTTGTCATTTTCCTACTAATTTGTAG
         TTCTTTATATAATCTGACTACTAATCCTTGTCAGTTATATGTTCACACATATCCTCTCC
         CAGTCCTATTTCTTATCTTTATACTTTGTTTATGTTCCATGTGGCCTTTTATTGTAGGAG
         [C,T]
         GTTTAACATCATCAGATTTATCAGTCTGTTTCCTTATGATTTGTGGGTTTTATGTCTTCC
         TAAAGAAATCCTTCAGTACACACAAAATCATATAGTCTTTTCTTCTTTTTTTTTTTCTT
         GAGTCAGAGTCTCAGTCTGTTGCCCAAGCTGGAGTGCAGTGGTGTGATCTTAGCTCACTG
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FIGURE 3DDDDDD

CAACCTCCGCCTCCTGGACTCAAGCGATTCTCGTGCCTCAGCTTCCTGAGTAGCTGGGAC
TACAGGTACCCACCACCACACCCAGCTAATTTTTGTATTTTTGGTAGAGACAGGGTTTCA

272937 TTCTTACACCTATTCACCAATTTTTCTTTCAGGATATCCCCATAATATTATTATTCCTAAA
TAGCAAATAAAGAAAATAAGCCAAATGCAAGTCAAGTCACTTTATATCTTCCTCATCCTT
CCATTCATTTCCTCATTCGTTCATTCATTACCCTCCTTGTTTCTTAAACATCAAATGGTG
CCTTGAGGCATTAAACAAGTTGATAAAATAAAACAAAAGCATGAATACTTGACATATTTC
TCTCATCACTAAGACAACATGCCAGTTAGTCAATTAAAAAACAAAAATAAATGTATCAAA
[A,C]
CACGTGGTATTATGTGGAGAAGACTTGATCCCAAATGTTCCCTTTTCTCGAAGTTATTTG
CTGTTGTCCATACTATCCACGCTATCCAAGTTTACCTGGATAAATAGAATGCAATCAGAA
TTATGTTGAAGCTAATTTATTGATAAAATATATACCAAAATGTATTACAAACATAAAACT
TCATGAGGTCAGTATTATTAATTTCAAATTTTGGGTTTTTTTCTAACATTAAATTATTTA
AAACTTTTATTTAAAAATGCCACATTCAGGTAAAAGGTAGTATGTCTTAGATGGGAAAAT

273176 CTCTCATCACTAAGACAACATGCCAGTTAGTCAATTAAAAAACAAAAATAAATGTATCAA
AACACGTGGTATTATGTGGAGAAGACTTGATCCCAAATGTTCCCTTTTCTCGAAGTTATT
TGCTGTTGTCCATACTATCCACGCTATCCAAGTTTACCTGGATAAATAGAATGCAATCAG
AATTATGTTGAAGCTAATTTATTGATAAAATATATACCAAAATGTATTACAAACATAAAA
CTTCATGAGGTCAGTATTATTAATTTCAAATTTTGGGTTTTTTTTCTAACATTAAATTATT
[T,C]
AAAACTTTTATTTAAAAATGCCACATTCAGGTAAAAGGTAGTATGTCTTAGATGGGAAAA
TTTCAGCAGTAGATATTTCAGAATACAATGGTTGTAGAAAAAGGGATTATGAGTTTATTT
ATGTGCAGATATACAGTTATGTTTTTAAAATCTAGATTATAAAACTGATATAAAATTCGA
GTTTAACAACATATCTTATTAAGATAAGAATCTTAATGCACTATGAAAAGAAAAACAAAA
CAAAGCCCAGATAACAGGTTTCTTTTGGTAGTGATCTACAAGGTATTAGGGATATGATTT

275790 AGATCACGCCATTGCACTCCAGCCTGGGTGACGGAGTAAGACTCCATCTCAAAAAATAAA
TAAATAAATAAATAAATAAGCATACATACTTTACCTTCATGGATGTTTTAAGGGGA
AGGCAGGTGTTAAGAACTTATAAAAAATACAAAGTGTTAACTTTAGAAAATTAAGAGTTTT
TGAATGCTGAACAACACATTCCATTTAAATAACGTTAATAGAAACAGATTTTGAAGCCTC
TAACATCATGGTGCATTAAGAGCATAAGAGAAACGAGCCGGGCGTGATGGCTTACGCTTG
[T,C]
AATCCCAGCACTTTGGGAGGCTGAGGTGGGCAGATCATGAGGTCAGGAGTTCAAGACCAG
CCTGGCGAACACAGTGAAATCCCGTATCTGCTAAAATTACAAAAATTAGCTGGGCATGGT
GGTGGGTGCCTGTAATCCCAGCTACTCAGAAGGCTGAGGCAGGAGAATCGCTTGAGCCCG
GGAGGTGCAGGTTGCAGTGAGCCAAGATTGTGCCACTGCACTCCAGCCTAAACGACAGAG
CTACACTCCGTCTCAAAAAAAAAAAAAGAGCAACCAGCTGGAGTCACCGAGCATGTAGCT

276058 AGAAACGAGCCGGGCGTGATGGCTTACGCTTGTAATCCCAGCACTTTGGGAGGCTGAGGT
GGGCAGATCATGAGGTCAGGAGTTCAAGACCAGCCTGGCGAACACAGTGAAATCCCGTAT
CTGCTAAAATTACAAAAATTAGCTGGGCATGGTGGTGGGTGCCTGTAATCCCAGCTACTC
AGAAGGCTGAGGCAGGAGAATCGCTTGAGCCCGGGAGGTGCAGGTTGCAGTGAGCCAAGA
TTGTGCCACTGCACTCCAGCCTAAACGACAGAGCTACACTCCGTCTCAAAAAAAAAAAAA
[-,A,G]
AGCAACCAGCTGGAGTCACCGAGCATGTAGCTGCCCAGAGCCTCCTCCCTACATCATGTG
TGTAGCTTGTTCCATATTGTGAAGGGTGTGTATATGTATATGTGCACACACTGGCACACA
AATTCGTATGCATTTGTCTTACTAAAGTGTTTTTGTCTCCCCTACGGTCTTTAACTGCCT
GGTTGAACCCCTTCTGAGACCACTACTCTGTTTGAAGGGATCTTGCCAGCCTCTCCCTAG
AATTGCATCTCTGATTCTGTTTCTTCTCAGATACACATTCTTAATTGAAGCTAGGACTTA

276824 TGAAATTACCTTTGCTAAAATTGACCTGCAATGTATTTCTTAATATATATTTTCTGTTACTC
GTTATATAATGGAGTAAGATTGTGGTGGGAAGAAACAGACTCAGGAATGTGTTGACATTT
GCAAGGTTTAGAATCTAGATGAGGCATGAACTTGAATTCTGGAGCTTCTTGTGGTAGCCT
GATTTAACATAGTTAAAGGCCAACATAAAATTAATACTGGCAGACTTGAGGCACAATAGT
ACTGGTGATGCTGTGAGTGAGTGGTAGAGAAGGAGTGGTCTCTTGAGCCCATTGATGAAG
[C,G]
CTGGCGGTCTGGGGAAGTGAATCTAAGTCCAAGTGTACAGAATTCATACTTAACCTCTTT
GGAAAAGGGCAGACTCCTCCACATCAGAGCTACTCCTTGACCTCTGTGAGTTCCTGATAT
TCTGGGTCAGTAAATAGATGATATAGATACAGATATAGACATAGTCATAGGCATAGACAT
AGAGCCTGGTTAGGAGTATGAAGTAGATCCAAATCCTGATTTTTAAATATAAAATAATGT
TAATTACATTATGCAAAATGATTTTTTATGCAGTATACATTTGGAAAATTTAATGACCCAC

280661 GGAAATTGTCATTAGTACAATATTATTAATTAGACTACATAGCTTATTCAGTTCTTATCA
GTTTTTACCTGCACTCTCATGTTTTTTCTGTGTGTGTGCAATGCAATTTGACCCCTATTACAG
ATTCATATAATCACTACTACAATCAAGGTAGAGCATTATATATTTGATCACCACAAGGAA
ACTCTCTTGTGTACTCCTTTATAGTTGGATTCTCCCATCTTCTTTTCTCTGTCCTCTGGC
AACCACTAGTCTGTGTCCATCTCCACAGTTTTGTCATTCTAAAAATGTCACAGCTGGGCA
[C,T]
GATGGATTGCATCTGTAGTCCTAGCTACTCGGGAGGCTGGGGTGGGAGGATCCCTTGAGC

FIGURE 3EEEEE

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CTAGGGGTTCGAGGCTGCAGTGAGCCGTGATCGTACTGCTGCACTCCAACCTGGATGACA
GAGCGAGACTCCATCTCTAAGTAAATACATAAATCAAAATGTCACATAAATACAATCATG
CAATGAGTATTAATCTTCCAAGATTGGCTTTTATCACTAAGCACGTTGTTCTTTAGATCT
AGCCAAGCTGTATGTATCAATAGTTGTACTTTTTTTTTTTTTTTAGAAGGAATTCTTGCTC
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280667
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TGTCATTAGTACAATATTATTAATTAGACTACATAGCTTATTCAGTTCTTATCAGTTTTT
ACCTGCACTCTCATGTTTTTCTGTGTGTGCAATGCAATTTGACCCCTATTACAGATTCAT
ATAATCACTACTACAATCAAGGTAGAGCATTATATATTTGATCACCACAAGGAAACTCTC
TTGTGTACTCCTTTATAGTTGGATTCTCCCATCTTCTTTTCTCTGTCCTCTGGCAACCAC
TAGTCTGTGTCCATCTCCACAGTTTTGTCATTCTAAAAATGTCACAGCTGGGCACGATGG
[A,C]
TTGCATCTGTAGTCCTAGCTACTCGGGAGGCTGGGGTGGGAGGATCCCTTGAGCCTAGGG
GTTCGAGGCTGCAGTGAGCCGTGATCGTACTGCTGCACTCCAACCTGGATGACAGAGCGA
GACTCCATCTCTAAGTAAATACATAAATCAAAATGTCACATAAATACAATCATGCAATGA
GTATTAATCTTCCAAGATTGGCTTTTATCACTAAGCACGTTGTTCTTTAGATCTAGCCAA
GCTGTATGTATCAATAGTTGTACTTTTTTTTTTTTTTTTAGAAGGAATTCTTGCTCTTATCG
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281343
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CAGCCTCCTGAGTAGCTGGGATTACAGGTGCGCTCCACCACGCCCAGCTAATTTTTGTAT
TTATTTATTTATTTGAGACGGAATCTTGCTCTGTCACCCAGGCTAGAGTCCAATGGCGCA
GTCTTGGCTCACTGCAACCTCCGCCTCCTGGGTTCAAGTGATTCTCCTGCCTCAGCCTCC
TGAGTAGCTGGGATTACAGGCACCCACCACGTGTTGGCCAGGCTGGTCTTGAACTCCTG
ACCTCAGGTGATGCACCTGCCTCGGCCTCCTAAAGTGCTGGGATTATAAGCGTGAGCCAC
[A,G,T]
GCGCCCAGCCAGTTGTACCTTTTTTTATTCCTGAGTAGTTACACTGCTTTATGGATGTACC
AGAGTTTAACCATTTATCTGTCTAAGGACATTTAGGTTGTTTCCAGTTTTGGACTATTAT
GAATAAAGCTGCTGTGACCATCCACATACAAACTTTTATGTGAACATAAGTTTTCATTTC
TTTAGAATAAAGAGTACAATTGTTGAATCATATGATATATTAGTTTCCTGTTGCTGCTAT
AACAAATTACCACAGGCTGGAAGCTTAAACAACACAAATGTATCACAGTTGTATAGCTTA
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283572
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TAACACAAATGTTGACAATACAGTATAGTAACTATTTACATGGCATTTACATTGTGTTAG
CTATTACAAGCAATCTAGAGATGATTTTAAGTATAGGGAGGATATGCAGAGGTCATACGC
AAATAACTACACCATTTTATATAAAAAGGACTTGAGCATCTGTGGAATTTGGTATCCTGG
TGGGGGTTAGGGAGGGGATTGGAACCAATCCTCTGCAGATACCAAGACAACTGTATATAC
TTTGTAAAGCTTGTATAAGATGATACTCATAAAGCATTTAACAGATAATGTGTCTCAATAAG
[-,T]
GTTTTAATTGTTATATCATTACAACTATCACCATTATAATCTCAACAGGGAAAGCCTTTC
ATAATCACAGCTGATTAAAATACCTTTTTAGTATTCAGGCATCCCCTGCTTAACACTTAA
TATCCTAGGAAATCAGATGTCCTACTTGAAAATTCTAACCAGGAACCCATTCCCCCAAAT
CCCCAACCAATTTCCTAAAAGCTAACTAAATGCAGTGAAATATTTTTAAAGTAATAAAATT
ATAATTTGGGGATGTAAAATGCTTAAACAGTGGTTTCCTGATGACCTAACAAATCTAGCC
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288144
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TAACAGGACCCTGACTAATTTTTCTATTTTATTTTTACAAGTAAAAATTGTATATATTTAT
GGTGTGTATGATGTTTTGATATATATATACACATTTAGAATGGCTAAATCAAGCTACCTAAT
ATATGTTTTACCTCACATACTTATTTTGGAAGATGAGAACATTTAAAATCTACTGCCTTA
GCAATTTTCAAATACATGATATATTGTTAACTGTAGTCATCATGACATACAATAGGTTTC
TTGAACTTATTGCTCCTGTCTAACTGAAATTTTTGTGCCCTTTGGCCAGCACTACCTAATC
[C,T]
CTCTGCTAACCACCATTTACTCTCTCTGAGTTCAACTTTTTTACACTCCACATATAAGTG
AGATCATGGGATATTTGAATTTCTGTGCCTGGTTTATTTCACTTTATGTGATGTCCTCCA
GGGTCATCCATGTTGTCAAAACATAACAGACTTTCCTTCTTTTTTTAGGCTGAATAGTAT
TCCATTTTGTTGCACATTTTCTTTATCCATTCATTTGTTGATGGACGCTTAGGTTGATTT
CATATCTTGGCTATTGTGAATAGTGCTACAATAAACATGGGAGTACAGATAGCTCTTTGA
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288353
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ACTGTAGTCATCATGACATACAATAGGTTTCTTGAACTTATTGCTCCTGTCTAACTGAAA
TTTTGTGCCCTTTGGCCAGCACTACCTAATCCCTCTGCTAACCACCATTTACTCTCTCTG
AGTTCAACTTTTTTACACTCCACATATAAGTGAGATCATGGGATATTTGAATTTCTGTGC
CTGGTTTATTTCACTTTATGTGATGTCCTCCAGGGTCATCCATGTTGTCAAAACATAACA
GACTTTCCTTCTTTTTTTAGGCTGAATAGTATTCCATTTTGTTGCACATTTTCTTTATCC
[A,G]
TTCATTTGTTGATGGACGCTTAGGTTGATTTCATATCTTGGCTATTGTGAATAGTGCTAC
AATAAACATGGGAGTACAGATAGCTCTTTGATATATAATGATTTTCTTTTTCTTTTTAGA
TATATACCCAGTGGGTTTGCTAGACTATATAATAGTTATATTTTTTATTTTTTGAGG
ACCCTCTGTGCTGTTTTCTGTAATTGCTTATAGAAATTGACTAGTTGACATTCCCATGTA
GAAAAAGGGATCCCTTTTTTCTACATCCTTGCCAACCCTAATTTTTTTTATCTTCCAACTT
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288504
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GAGATCATGGGATATTTGAATTTCTGTGCCTGGTTTATTTCACTTTATGTGATGTCCTCC
AGGGTCATCCATGTTGTCAAAACATAACAGACTTTCCTTCTTTTTTTAGGCTGAATAGTA
TTCCATTTTGTTGCACATTTTCTTTATCCATTCATTTGTTGATGGACGCTTAGGTTGATT
TCATATCTTGGCTATTGTGAATAGTGCTACAATAAACATGGGAGTACAGATAGCTCTTTG
ATATACTGATTTCTTTTTCTTTTCTTTTAGATATATACCCAGCAGTGGGTTTGCTAGACTA
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FIGURE 3FFFFFF

[T,C]
ATAATAGTTATATTTTTTATTTTTTTGAGGACCCTCTGTGCTGTTTTCTGTAATTGCTTAT
AGAAATTGACTAGTTGACATTCCCATGTAGAAAAAGGGATCCCTTTTTTCTACATCCTTG
CCAACCCTAATTTTTTTATCTTCCAACTTAATTTTTTTTTCCTGTTGGCTAATACAACTT
TGGCCTGTCAAATCATGGTAGACATTCTGTGAATAGTATCACTGTAGTAGAAGCCAGAAT
GTTTTTATAGAGGAAATGTAGAACAGAAATTAAATCTGGGGAGTCAGATAAATAGAGGTAG

288604
TTTTTTTAGGCTGAATAGTATTCCATTTTGTTGCACATTTTCTTTATCCATTCATTTGTT
GATGGACGCTTAGGTTGATTTCATATCTTGGCTATTGTGAATAGTGCTACAATAAACATG
GGAGTACAGATAGCTCTTTGATATACTGATTTCTTTTCTTTTCTTTTAGATATATACCCA
GCAGTGGGTTTGCTAGACTATATAATAGTTATATTTTTTATTTTTTGAGGACCCTCTGTG
CTGTTTTCTGTAATTGCTTATAGAAATTGACTAGTTGACATTCCCATGTAGAAAAAGGGA
[T,C]
CCCTTTTTTCTACATCCTTGCCAACCCCTAATTTTTTTATCTTCCAACTTAATTTTTTTTT
CCTGTTGGCTAATACAACTTTGGCCTGTCAAATCATGGTAGACATTCTGTGAATAGTATC
ACTGTAGTAGAAGCCAGAATGTTTTTATAGAGGAAATGTAGAACAGAAATTAAATCTGGGG
AGTCAGATAAATAGAGGTAGATTAAAAGGATCTTTCATATTAGTGTTATTGCATTTTTCT
CAGTGTCTCCAAAGAGTTTGAAATGTTGTATACGTTATTTAGAATTGTACTCAGAAGATA

289150
TCTCCAAAGAGTTTGAAATGTTGTATACGTTATTTAGAATTGTACTCAGAAGATAAAGTA
TTTTACCAACAACTGAGCTTAATTTTTATAGTTTATTAGTATCTTCATTTCCTAGTCTCC
GAAGACCATCTTCTCATAAAAGTGCTTATATATGTAAAAGTTTGTTTGCATTTTTCAACCT
GTATCCCTTGATACTCATCCAGAAACCTAGGGTGAGAATACCTGTGTTAACTGTTTTTTAA
AAATTTCCATGACATGTTTGGTCAGGGGAGAAGAATGTTCTGTGACAAGTGCCAGTTTTA
[C,T]
TGGTGAGGTAGAAAAGGCCTTAGAAGGTGCTAGTAAGACAGAAAAAGAACTGTAGGAAGA
AATCAGTATCGGAGAGCACAGAGATCCTCAATCCTTGGATATATACCACCCAGTGAAGCA
GATCAGAAAGACCTATATTTTATAGTGCTGTCACAACATACAAGCTGGAAAGCACCCTAT
TATATGTGAATTGGCCACAGCTAAGAGTAAATGATTGAAATCTTTTAAAACTTTTAGTTA
CATTGTTTACAATTTGGGGTAAATGTCTAGATAAGTCATTTAAATTTTTTTCACCTAAACT

291331
ATTTAATGGGTATACATCCTGTATAGAATAAAATATTTCCTGAATTTCATTTTCCTTTTC
CAGAATTTTATACATACATGCTCATGGAAACACACACAAGCACACCTCTCTGTGCCCCTAA
CAACAACAAAAATCTTATAAGTTTAGACTTCTTTTGATTAAAATCATATGGTTAGTCCCA
AAACTACAAATATATTTTTAATTTAAGTAAAAGAGGACACTCCAACAAAACTAGTATTCA
CTGCACCTCTGAGCATAGCACACATCCTTTCTGAGTTCAGGTGGGTACAATTAGCTGCTA
[G,C]
TAAAAATGAACCATTAGTGAAGTCAGTGAATATTAAATGTGGGACTTACAAGGCTAGGAA
TGACAAATAATGGGAAAAAACATTTTGTACTCTAATTTTAAAAAGAACTATTTAGGAGAC
AGCTGTAGCTGGGGTAGCTTTCTCTTGTAGAGGCATTTGCTCCATTGTTGAGGGTTGGTA
CTGTCTAAAGTTAAACCATTTCAGTGATGCCTAGCATGGAACACTTGACAACCAACCTTC
CAGGTAGGAAATGAGACGTCCTTGCCAGCAAGTCCATATAATACTACAATTTTTATGACT

291575
ACCTCTGAGCATAGCACACATCCTTTCTGAGTTCAGGTGGGTACAATTAGCTGCTAGTAA
AAATGAACCATTAGTGAAGTCAGTGAATATTAAATGTGGGACTTACAAGGCTAGGAATGA
CAAATAATGGGAAAAAACATTTTGTACTCTAATTTTAAAAAGAACTATTTAGGAGACAGC
TGTAGCTGGGGTAGCTTTCTCTTGTAGAGGCATTTGCTCCATTGTTGAGGGTTGGTACTG
TCTAAAGTTAAACCATTTCAGTGATGCCTAGCATGGAACACTTGACAACCAACCTTCCAG
[G,C]
TAGGAAATGAGACGTCCTTGCCAGCAAGTCCATATAATACTACAATTTTTATGACTAGAC
TATTTTTGCAGAAGTACTTATTGCTTAATTGACATTAAACTTAAGTAAGTCTATCTCTTT
CTCTTAAAAATAATCTTAATAACAAATAGAAATCTTTAGTATCCCAGTCTAACTCAGTTT
AGTCCTATTTAGTTTGGGATAAGAAAGTAATGTATCAGTTATTTTGGCAAATTATTTATA
GAAGCTATGTGGAATAAGCTGTATCTATTTAGATTTTATATAATTTGGTAATTAGCATAC

291589
CACACATCCTTTCTGAGTTCAGGTGGGTACAATTAGCTGCTAGTAAAAATGAACCATTAG
TGAAGTCAGTGAATATTAAATGTGGGACTTACAAGGCTAGGAATGACAAATAATGGGAAA
AAACATTTTGTACTCTAATTTTAAAAAGAACTATTTAGGAGACAGCTGTAGCTGGGGTAG
CTTTCTCTTGTAGAGGCATTTGCTCCATTGTTGAGGGTTGGTACTGTCTAAAGTTAAACC
ATTTCAGTGATGCCTAGCATGGAACACTTGACAACCAACCTTCCAGGTAGGAAATGAGAC
[G,T]
TCCTTGCCAGCAAGTCCATATAATACTACAATTTTTATGACTAGACTATTTTTGCAGAAG
TACTTATTGCTTAATTGACATTAAACTTAAGTAAGTCTATCTCTTTCTCTTAAAAATAAT
CTTAATAACAAATAGAAATCTTTAGTATCCCAGTCTAACTCAGTTTAGTCCTATTTAGTT
TGGGATAAGAAAGTAATGTATCAGTTATTTTGGCAAATTATTTATAGAAGCTATGTGGAA
TAAGCTGTATCTATTTAGATTTTATATAATTTGGTAATTAGCATACAATAGCTTACATGA

294398
ATATAAAAACTTCAAGTACTCACCTTTTGTCCTATAAATTCTATTTTTAAAACTTTGTCC
TAGATAATAAGACAAATAATCCAAGATTGAATCTGCCTTAGAGAGTTGCTTTAAGGATTA
TTGCATATACACTATATCTACATAACAGAATGAGAAACTATTAAAATGGTGATACATATA

FIGURE 3GGGGGG

TCTGTATGCATTAACATTAAAAGAAGTTCATGCATTTATTAACTGGAAAAGTAGATTACA
AAACTATAAATAACACAACATTTATGTAAAACTATGTATGTTACAATGGTCTGGAAAATT
[G,A]
TTCCCCAAACTGCTAACAGAGCCATCACGTTTATTATTTTTACTTTTTTTTTTTTTTTTT
AAAGAAACAAAGCCTCACTCTGTCACCCAGGCCAGAGCACAGTGGTGCAGTCATAGTTCA
GTGTAGCTTCAGACTCCTAGTCTTTTGCCTCAGCCTTCTGAGTAGCTGGGACTGCAGGTG
CACACCACTTTGCCTTGCCAGTTTTTTCAAATTTTTTTTGTAGAGGTGGGGAAGTGGAGG
GGCTCACTTTGTTGCCCAGACTGGTCTCATGTCTCCTGGCTTCAAGTGGTCCTTCCACCT

298090   CATGCCACCATGCCCAGCTAATTTTTTGTATTTTTAGTAGAGACGGGGTTTCACCATGTT
GGCCGGGATGGTCTCGATCTCTTGACCTTGTGGTCCACCTGCCTCGGCCTCCCAAGGTGC
TGGGATTACAGGCGTGAGCCACTGCACCCGGCAGAAAATCTTAAATCTATACTATAGAGT
CTGACAAGAATTTGGGACCCAAAAGCAATATAATTCTATTACATATTTATCTTAACAAGT
AACATTTTAAAAGTCCATGTAATTTTATAGATTTATTTGCTTTCTCTAACAAGTAATGCTT
[C,T]
TAATAAAAATCTGGGCCTGGTGGGGGTGGCTCATGCCTGTTATCCCAGCATTTTGGGAGGC
TGAGGTGGACGCATCACAAGATCAGGAGTTCCAGACCAGCCTGGCCGATGTGGTGAAACC
CTGCCTCTACTAAAAATAGAAAAAAAAATTAGCTGGGTGTGGTGGTGCACGCCTGTAATC
CCAGCTGCTTGGGAGGCTGAGACAAAGGAAGTGCTAGAACCCGGGAGGCAGGGGTTGCAG
TGAGCTGAGATGGCAGCACTGCACTCCAGCCTAGGCAACAGAGCAAGACTCCAACTCAAA

299714   AATGGCCAGGCACAGTGGCTCACACTTGTAATCCTAGCACTTTGGGAGACCGAGGTGAGC
AGATCACCTGAAGTCAGGAGTTCGAGACCAGCCTGGCCAACATGGTGAAACCCCGTCTCT
ACTAAAAATACAAAAAAAATTAGACAGGCATAGTGGCACGTGCTTGTAATCCCAGCTACTC
AGGAGGCTGAGGCAGGAGAATCATTTGAACCCGGGAGGCGGAGGTTGCAGTGAGCCAAAA
TTGCGCCACTGCATTCCAGCCTGAGCAACAAGAACAAAAACTCCATCTCAAAAAAAAAAA
[G,A]
TAAAATTATATTTGTAGCTCATACTATATTTCTTTTGAACAACACTGATCTAAAGTGCTA
TGTTTTTCATTGTCCGTTTAAATGGATTATGATGTAATTAGACTAGAGATCTCATGGGTT
TTAGAACTAAAATGTTCTGGGGTCAGATGTGGCTTCTGGCTTTTACTTATTTGTATTTCT
GGCCTCAGTTGTACCCGAAAATAAATTTTTTGTTGGAAATACAGTTTGTCCTGAGCTAATA
GAGGAACATGATTTACCTTCAATTCTGGAGAGCTAGTAAAATAATTTAGAACACTATGTC

306438   TTCCTTTCCATGTTTAGTCCCAGCACCATTTATTAAAGAGGAAAATCTTAAAAGCAACTG
GAGAAAAAAAAAAGATAAGATACAGATTAATAAGGTAATAATTCTTATTCCCTATAGAAG
CCATGCAAAGCAGAACACAAGGAAATGACATATTTCAAGTGCTAAGTGGATGAATCTCAG
TCAGATTATTCGGAATACTAATAGCGTTCATTTATTTAGTACATATTGTAAACCAGAAAT
TATGCTGATTATTTTAATATGCATTATCTCATTTAATCCTTACAGCAACCCGGAGAGGCA
[A,G]
CTAGAATTAACACATTTTAGAGGTGAAGAAAATGAGGCTAAGAGAAGCCAAGGGACTTGG
CTAATAAATGTTACACACTTAGCAAATGGAAAATTCAGGATTTCAAACCAGATATGATTA
ACATAAGCCATGTCTCCTCTTACTATTAACCATAACTGGTAGAACATATACATAACTTAA
ATTTGATAGGTAAGCTGATTGGAGGCTATTTGTTGTGTACGAATGTTTGAAAATTGCTG
TCAGTCAGCAAGTATTTATCAAGCACATTAGATATTCCAGGCTGGAACTGGAATGGAATC

306579   GAAATGACATATTTCAAGTGCTAAGTGGATGAATCTCAGTCAGATTATTCGGAATACTAA
TAGCGTTCATTTATTTAGTACATATTGTAAACCAGAAATTATGCTGATTATTTTAATATG
CATTATCTCATTTAATCCTTACAGCAACCCGGAGAGGCAACTAGAATTAACACATTTTAG
AGGTGAAGAAAATGAGGCTAAGAGAAGCCAAGGGACTTGGCTAATAAATGTTACACACTT
AGCAAATGGAAAATTCAGGATTTCAAACCAGATATGATTAACATAAGCCATGTCTCCTCT
[T,C]
ACTATTAACCATAACTGGTAGAACATATACATAACTTAAATTTTGATAGGTAAGCTGATTG
GAGGCTATTTGTTGTGTACGAATGTTTGAAAATTGCTGTCAGTCAGCAAGTATTTATCA
AGCACATTAGATATTCCAGGCTGGAACTGGAATGGAATCATGAACAATACAAGTATGGTT
CTTTATCCTTATGGAGCTTATAAATGTCTAAGGAAAGAAATGTGGTAATTCTAGGTACT
TCTGAGGATGGTTCTAAGGATTAAATGATATATTAAAAAAAAACCAGCACAATTTCTGGCA

310153   CTGCAGTAGACTTGCTCAATGCAGGGTTGCCACAATTTACAATATAATACATTGTATTAT
AAAAAATACAATATCTGCAGAGCCCAGTAAAGCATAGTGCAATAAAATGAGGTGTGCTTG
TATTTATAGATGATATCTAAAGTCAAAGAATGGGTGGAACAGTGAAGACGAAGAAAAAGA
AGAAAGTTAAGTATAAGCTCTGAGGCACTTCAACTTTTTAAATTTAGCCAGAGGGGGGAGGA
GCCAGCAAGTAACAATGCATGAATAGGAATATCTAGAGAAATAAGAGGTATAATGTGGAG
[T,C]
GTCAGAAGCCAAAAGCGAAGTGTGTTAAGAACAAAAGTGTAGTTCATCTTTTCCAATCCT
GCTGAAAATTAGGGCAAGATACAGACAGAAAGGCATTTCTTAAAATTTTAACAACCTGG
AATTCATTCATGATTTTAACAAGAATCATTTTGGTGGAGTGAGAGGGACAGATTTGAGTC
AGCTGAGAAAAGTGTGACAAATGAGGAACCAGAGACAGAGCTTAAACAATTCTTTAGCTA
TGAGTGTGGAAGAAAGAGATTGGGCAATAGCTAAGACAGGATAATGTGTTGAACGAGGGT

310189   TTACAATATAATACATTGTATTATAAAAAAATACAATATCTGCAGAGCCCAGTAAAGCATA

<div align="center">FIGURE 3HHHHHH</div>

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GTGCAATAAAATGAGGTGTGCTTGTATTTATAGATGATATCTAAAGTCAAAGAATGGGTG
GAACAGTGAAGACGAAGAAAAAGAAGAAAGTTAAGTATAAGCTCTGAGGCACTTCAACTT
TTAAATTTAGCCAGAGGGGGAGGAGCCAGCAAGTAACAATGCATGAATAGGAATATCTAG
AGAAATAAGAGGTATAATGTGGAGTGTCAGAAGCCAAAAGCGAAGTGTGTTAAGAACAAA
[A,G]
GTGTAGTTCATCTTTTCCAATCCTGCTGAAAATTAGGGCAAGATACAGACAGAAAAGGCA
TTTCTTAAAATTTTTAACAACCTGGAATTCATTCATGATTTTTAACAAGAATCATTTTGGTG
GAGTGAGAGGGACAGATTTGAGTCAGCTGAGAAAAGTGTGACAAATGAGGAACCAGAGAC
AGAGCTTAAACAATTCTTTAGCTATGAGTGTGGAAGAAAGAGATTGGGCAATAGCTAAGA
CAGGATAATGTGTTGAACGAGGGTTTTTAGTAGGCAGGAGATATCTGATGGAAAAGAGCA
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310283
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TGATATCTAAAGTCAAAGAATGGGTGGAACAGTGAAGACGAAGAAAAAGAAGAAAGTTAA
GTATAAGCTCTGAGGCACTTCAACTTTTAAATTTAGCCAGAGGGGGAGGAGCCAGCAAGT
AACAATGCATGAATAGGAATATCTAGAGAAATAAGAGGTATAATGTGGAGTGTCAGAAGC
CAAAAGCGAAGTGTGTTAAGAACAAAAGTGTAGTTCATCTTTTCCAATCCTGCTGAAAAT
TAGGGCAAGATACAGACAGAAAAGGCATTTTCTTAAAATTTTTAACAACCTGGAATTCATTC
[A,G]
TGATTTTTAACAAGAATCATTTTGGTGGAGTGAGAGGGACAGATTTGAGTCAGCTGAGAAA
AGTGTGACAAATGAGGAACCAGAGACAGAGCTTAAACAATTCTTTAGCTATGAGTGTGGA
AGAAAGAGATTGGGCAATAGCTAAGACAGGATAATGTGTTGAACGAGGGTTTTTAGTAGG
CAGGAGATATCTGATGGAAAAGAGCAAATAGAGAACTTGAAGATACTGCATTGGGGGATG
ATTGCAGTGCAATGTTATGTCGTGGCAGAATGAGGTGGGATTGGGAGAGATTGCTCTTAG
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311696
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TAAATAGCTCCCTGTTGCTGGAAAGGAAGGCCTCTTTTATTTCTTTCTACATTTTTGAGC
AATAATAAATGAGTTCTGCATTTTTCATACATGGGTGATGTGTGTGTGTGTGTGTGTGTA
TAATGCAGAAATCCATTTGCAGTGTTTATGTATACATATATACCTCAGTATATGTAAATA
TATGTGAAAATACTTTCCAAGACTTTAAGCATAGAATCTCTTCTCATAAGCCAGCCCCAGG
CACATCTTACTCAACAATTCAAGCAAAACCTTTGGATCTGTCAGAAACAGCTTATAGGTC
[G,T]
GCATTAGGTGATTAATTGCCAGGAGAATCTGGTTCTATATTTTGTTACATATAATTATTT
TCTTTTCTAAAGGTGTTCTTTTATTAAGCTCCCACCATAAAAGAGGGGAAAATAAGCACA
CGTCTTACATGCCTGATGTTTAGCACTTCTTACAAAAGAAAGAGGAAAACTTTAACATAA
TCCACTGATAAAAGCATATTTGTCTTGGCTTCAGACAGTTTTCTCCTCATTTTTACCAAA
ACTTTAATAATATTTTAACTTGCTTAGAAATTAGTCTTGGGATAGCAGTATGGAATAATG
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315318
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TGGTGGGACAGATTGTAGTTTGCCAAACCCTACAGAGGGGGGTACAGTCCCTGCCATGTG
CCTCAAAGGTGCTGTTAGACTGTGTTCTAAACCTGAGATGTTTCTAGTTGTTTGAAGTAA
AGGTGGAAAACTACCATATTAAAATTCAATTACGGGCTGGGCATGATGGCTATAATCCCA
GCACTTTGGGAGGAGATCATAGTGACGCCACTTGAGGCCAGGAGTTCAAGACCAGCCTGG
CCAACATGGTGAAACTGTGTCTCTACTAAAAGTACAAAAATTAGCCAGGTGTGGTGGTGC
[A,C]
TGCCTGTAATCACAACTACTTGGGAGGTTGAGGCATGAGAATCGCTTGAACCTAGGAGGT
GGAGTTTGCAGTGAGCTGAGATCATGCCACTGCACTCCAGCCTGGGCGACAGAGTGAAAC
CTTGTCTCAAAAAAAAAAAAAAAAAAAAAAAGGAGTTCCATTCCAAGAGGGCCAAATAGG
AACAGCTCTGGTCTGCAGCTCCCAGCATGATCGACACAGAAGATGGGTGATTTCTGCGTT
TCCAACTGGGGTGACTAGTTCATCTCATTGGGACTGGTTGGACAGTGGGTGCAGCCCACG
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315383
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AAGGTGCTGTTAGACTGTGTTCTAAACCTGAGATGTTTCTAGTTGTTTGAAGTAAAGGTG
GAAAACTACCATATTAAAATTCAATTACGGGCTGGGCATGATGGCTATAATCCCAGCACT
TTGGGAGGAGATCATAGTGACGCCACTTGAGGCCAGGAGTTCAAGACCAGCCTGGCCAAC
ATGGTGAAACTGTGTCTCTACTAAAAGTACAAAAATTAGCCAGGTGTGGTGGTGCATGCC
TGTAATCACAACTACTTGGGAGGTTGAGGCATGAGAATCGCTTGAACCTAGGAGGTGGAG
[T,G]
TTGCAGTGAGCTGAGATCATGCCACTGCACTCCAGCCTGGGCGACAGAGTGAAACCTTGT
CTCAAAAAAAAAAAAAAAAAAAAAAAAGGAGTTCCATTCCAAGAGGGCCAAATAGGAACAG
CTCTGGTCTGCAGCTCCCAGCATGATCGACACAGAAGATGGGTGATTTCTGCGTTTCCAA
CTGGGGTGACTAGTTCATCTCATTGGGACTGGTTGGACAGTGGGTGCAGCCCACGGAGAG
TGAACTGAAATAGGGTGGGGCATTGCCTCACCCAGGAACTGGAAGGGGTTGTGGGATTTC
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322289
```
GAGAAAGAAAACGCAAGGCAAAGAAAAGGATAAAACAGCCCTGCTGCACTCTGGTGGGAC
TGATAAGAAATAGCTTCTGTATCTTGGTATTTTTGTACCTTAAAAAAAAATTGAGGAGTGGC
AGGAATAGAAAACAGAAACAATGTCTCTCTTTGGGGTGAGAGACAGAAACACGCTGTTCCTC
TCAGAGGATGTGTGGAAACATTGATGACCTCTGCAAGTGCAGGCAGGCAGTATCCACAGCTC
TGCCATCACCACTCGGCGTCACCACTGTGCAACCCATCAGTCCTGTGGTGCCCGTTCAAGT
[C,T]
ACATTGTATAAATCTGTCCTACGGCATCTGTATCCTCACCATCTAATAACTTTAGCACAG
AATATTGTTTAAGAATGATGGAGAGGGAAAGAAGACTTTGAGTCAACAAAACCTTTGTT
TGTTTACATTTACCATATCATCCATTCTTTGTAGTATATATCAGAAGACTTTCATTTTAG
GTTTTTAAAAAATCGTTTATATGTAATGAGTTAAAAACCTTAGTTATCCAGAAACATATTC
TGAGCAACATGTTTTTGGTACCACCTGCTGTCTTATATATTTCTTGTCTGCATGCTTCTG
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FIGURE 3IIIIII

323572 ATACTGTTTTGACTTGTAAAATGACTCTTTAATAGAAATGGACAAAGAAAATATGCTAAT
AAAATAACTTAAGTATGTGTATGTGTGTGCATGCTAAATTTTTTTTTCTTCTGTTCTCTT
CATTTTGTGCTCATCATCAATTGCTGCTATTTACTGTGGTGCATTTTTCCTGAACACCTG
CTGTCAAATGCATCAAGTCTTTTCTTGCACAGTGCTACAGGTTTTTGCAGAACTGAGCAA
GCCCAACATTAGACAGATAGCCTAAAGACTGATTGATTTATTTGTTTTAATACAAATATA
[T,C]
GCTCACATGTTGACATACAGAAATCTGTTTCAAATGAATTATTTTTTAAAGAACAAAGAA
CTTTATAACCCTAGTACCTAATCCTATGCCTGACACATAGTAGATACTCAGCAAATATCT
GTGGGACTGAACTGCTCTGTGAAGCCTAGCTAAGCACTAAAGACTCCCACAACTTTTTCA
GCTTTATGGGGAAGTGATTATCTTAAATAGTTTTAATGCAAATTGAATTATTGTTTAAAA
AGCATGTCCACCAGTTGAAAAGTCAAGTCATGGAACATTGTTAAGATCCAGGTTTTTAATT

324052 AGCTTTATGGGGAAGTGATTATCTTAAATAGTTTTAATGCAAATTGAATTATTGTTTAAA
AAGCATGTCCACCAGTTGAAAAGTCAAGTCATGGAACATTGTTAAGATCCAGGTTTTTAAT
TTAGCAGATATTGTTCTCTTTGCAGAATAATTACGAATCTATTTAAAATAAATGCTTTTT
TATCTTTATCTCCCTTTGCACAATGGAGTGGCATTGTCAAAAGGGGAAAGTGTCTAATAA
TAAGTTGAAAACATTGTGCAGTTATACTTCAAAGACATCTCTTAAATTGTCCTGTTCAGG
[T,A]
TCACTGCCTCTGCTATTATTCATGTTCTAATTTAGGGCCTCGAAATTGTATTAGTTGCCT
AACTGGAAGTTGCACTTCGTTCCTGTGCTTCTTCCACACTGCTGCCAGAATCATTTACTT
TCTTCAACAGAAAATCAAGCCTGTCTCTTTCCTCATTAAAAACCTGCAATTTGCTACGGA
CTGTGAGATAAGGACCAAACTCCTTGGCATTACATACCATATGTAATGTAATTATACCTG
TGGATTTTTTTTCTCAATCTACCTTCATGTCCCCATGTTTCTAAGCATCCTCTACCAGTG

326324 CCCAAAAGCTTAATTAGCAAATAATATAATGCAGACTGCTCCTTGCATAGGCTCTCATGG
ATTTTACATACTACTGCTTATTTTATTAGTCTCTAAAGTCATTCTTCTCCCAGTGTAATT
ACACTTTTAAAAATTACTAAATTGCATAAGAGATATTATGAAATCGTATTCCTGGAACAT
TGAGAATTTCAAGCTTTAAAAGACAGCAGCTAAAGTCAAAGATACAGCAACATTTTCAAA
AGTTAGCTTTGTACATCTCTTGGCTGAGTAATGTGAACCCACACATGGAAAGATTTAATA
[G,T]
ATACAGGAATGTTCTGGGCCTCTGTAAGAGCTGATCCCTCTATCAGGTTTCTGTGCAGAC
AAGCATGTTTCTTCTATCTATTAGGAAAGGGTTATGAATTGAGCATTTCAGAGGCTATGG
TAAGACAGGGAGAGAAGGGGGGCAAGTAGAGAATTGCTAAATATCAATTCTTTTTAAAT
ATTGAGATTTAGAAATAAAAATCAAGAATCTGTATTTTGACTTGACTTTTCAATCTATTA
TTCTAACCTCGTAGCTCATTGTTCCATTTATTCAAAGAACATTAACATCTGCCATATATT

327037 CATACATGCCATATGCCAAACACTGAGCTAAGCACATTATATCAATATAGATATAAAAAC
ACCTGCTGATTTGTCCAAACACACAGCTAATAAGTTTTTGAGCTAGAATTTTCCTCCAGC
TAAGCTGATTCTTTTGCCCTCACTTTTAACCTTGTATGCCAAATTACAAGTTTAAAATTC
ATTTATGTACTTGGAAGAGTCATAGAAGTTTCAATAAAAGAGAAGACTTTTAAGCTGAGA
CTTGAACAAGAAGTGGAGCTTCCCTGATAGACAAAGAGATAAAATGTCATTCTGAGCAGA
[T,G]
GGAGAAATATGTGCGAAAACAGGGAGGCAGAAAGCAGCGTGGTGAGTTTTACTAACTGGG
TGTTTAGGTGCTCCTAAGCAAGTCCAAGTTCAAGTATAGCATTTCAAGTTTCTATGATTT
TAGTGTAACTCCTATCTTATCTACAGCTCCTTTTTCTTTTCTCACAGGGTGAGAAATGCTA
TACTTGAACTTGGACTTTTTTCTTTGATGTGCAATTAAATGATTAGAAAATAGGAAGTTA
AGGTATTTGCAGTTAAAATGATCACGTTAGCCATGATGTAGATAAAGCAAGGAAAAAGAA

327038 ATACATGCCATATGCCAAACACTGAGCTAAGCACATTATATCAATATAGATATAAAAACA
CCTGCTGATTTGTCCAAACACACAGCTAATAAGTTTTTGAGCTAGAATTTTCCTCCAGCT
AAGCTGATTCTTTTGCCCTCACTTTTAACCTTGTATGCCAAATTACAAGTTTAAAATTCA
TTTATGTACTTGGAAGAGTCATAGAAGTTTCAATAAAAGAGAAGACTTTTAAGCTGAGAC
TTGAACAAGAAGTGGAGCTTCCCTGATAGACAAAGAGATAAAATGTCATTCTGAGCAGAG
[T,G]
GAGAAATATGTGCGAAAACAGGGAGGCAGAAAGCAGCGTGGTGAGTTTTACTAACTGGGT
GTTTAGGTGCTCCTAAGCAAGTCCAAGTTCAAGTATAGCATTTCAAGTTTCTATGATTTT
AGTGTAACTCCTATCTTATCTACAGCTCCTTTTTCTTTTCTCACAGGGTGAGAAATGCTAT
ACTTGAACTTGGACTTTTTTCTTTGATGTGCAATTAAATGATTAGAAAATAGGAAGTTAA
GGTATTTGCAGTTAAAATGATCACGTTAGCCATGATGTAGATAAAGCAAGGAAAAGAAG

327295 CTTCCCTGATAGACAAAGAGATAAAATGTCATTCTGAGCAGAGGGAGAAATATGTGCGAA
AACAGGGAGGCAGAAAGCAGCGTGGTGAGTTTTACTAACTGGGTGTTTAGGTGCTCCTAA
GCAAGTCCAAGTTCAAGTATAGCATTTCAAGTTTCTATGATTTTAGTGTAACTCCTATCT
TATCTACAGCTCCTTTTTCTTTTCTCACAGGGTGAGAAATGCTATACTTGAACTTGGACTT
TTTTCTTTGATGTGCAATTAAATGATTAGAAAATAGGAAGTTAAGGTATTTGCAGTTAAA
[A,G]
TGATCACGTTAGCCATGATGTAGATAAAGCAAGGAAAAAGAAGGAAAGAATAAGACTGCA
GGCAGAAAAACAACTAGCACAGCAGTTATGATATTCTAGACAAATGATTGTGTTGGCTTG
ATATCACTGAGTAAACATTTATTGGGTGCCTTATATGTGCCATAGCTGAGCTTACAGTGT

FIGURE 3JJJJJJ

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       TGAATAAAATGAATATGATTCCTGCCATTACATACAGTCTACAATCTGTTGGGAAAGACA
       GACAGTAAACAAACACACAAATACACAATAAAGAAGAATGGGTAGAAGTGACAGGTTTAA

328248 TTAGATTTGAGCATTTGATAGAACATGAAACTATAAGTGTTGAATTTCAGAATTTATAAA
       AAAGAAAAGGCAGCCTTATAATTGTGGTATAAAGGTTTGATAGTTAAGACTCCTTCATGTG
       AAATACCAGATGTTTTGAGTCCTTGATATAAAGGTCAGAAGAAAAGAAGGATATTGGTTT
       CATAATAAATTAACATGTTTACAGTAATGACTATGCAGTGTAAGCTGTGGATATTTTGTT
       ATATAAGAATGGCAGGGGGTCCTAGAACTGGGGGCTGGAAGGCCCATTTAAAAGGTCATC
       [T,C]
       AATACGATAATTTTTAGTCTGGAGCACACAAGCAGAGTTCAGGTGAACTCCCTGGAATTA
       TTTGCAAAATTGGGAGTATTTTTCGTATGTATAGTTTGAGGGGAATTTCTGTCAAATGCA
       CATAGGCACCTGTAATTAAAGAGCCGCCTTCATTTTCACACATGAGGAAACTGAGGCTGT
       TACAGATGTAGAGACTTGCCCAAGGTCTTGAATAACTTCTCAGAAAGGGAGTTTGTTCTA
       TGATTTGTGTTTTTTAATAAAGTTTTAATGGACAGACCACGATATCCAACATGGCCTTGG

328332 TGGTATAAAGGTTTGATAGTTAAGACTCCTTCATGTGAAATACCAGATGTTTTGAGTCCTT
       GATATAAAGGTCAGAAGAAAAGAAGGATATTGGTTTCATAATAAATTAACATGTTTACAG
       TAATGACTATGCAGTGTAAGCTGTGGATATTTTGTTATATAAGAATGGCAGGGGGTCCTA
       GAACTGGGGGCTGGAAGGCCCATTTAAAAGGTCATCTAATACGATAATTTTTAGTCTGGA
       GCACACAAGCAGAGTTCAGGTGAACTCCCTGGAATTATTTGCAAAATTGGGAGTATTTTT
       [C,T]
       GTATGTATAGTTTGAGGGGAATTTCTGTCAAATGCACATAGGCACCTGTAATTAAAGAGC
       CGCCTTCATTTTCACACATGAGGAAACTGAGGCTGTTACAGATGTAGAGACTTGCCCAAG
       GTCTTGAATAACTTCTCAGAAAGGGAGTTTGTTCTATGATTTGTGTTTTTTAATAAAGTT
       TTAATGGACAGACCACGATATCCAACATGGCCTTGGAGCCATAGGGTTCAGAATATTAGA
       AAGCCTTGGCTTCTTTTTTCATTGAGTTGTCATATAGTGATTTTAATAATAATAGAACAT

328453 AATGACTATGCAGTGTAAGCTGTGGATATTTTGTTATATAAGAATGGCAGGGGGTCCTAG
       AACTGGGGGCTGGAAGGCCCATTTAAAAGGTCATCTAATACGATAATTTTTAGTCTGGAG
       CACACAAGCAGAGTTCAGGTGAACTCCCTGGAATTATTTGCAAAATTGGGAGTATTTTTC
       GTATGTATAGTTTGAGGGGAATTTCTGTCAAATGCACATAGGCACCTGTAATTAAAGAGC
       CGCCTTCATTTTCACACATGAGGAAACTGAGGCTGTTACAGATGTAGAGACTTGCCCAAG
       [G,T]
       TCTTGAATAACTTCTCAGAAAGGGAGTTTGTTCTATGATTTGTGTTTTTTAATAAAGTTT
       TAATGGACAGACCACGATATCCAACATGGCCTTGGAGCCATAGGGTTCAGAATATTAGAA
       AGCCTTGGCTTCTTTTTTTCATTGAGTTGTCATATAGTGATTTTAATAATAATAGAACATG
       CTATTATTCAGAATACATTCTTCCACCCTAATATCCCAAAACAGTATTTTTAAAGAAATT
       CTAGGAAGGGTGTTTACTCATTCAGAGTTCTACAGGAAGGAAGGCTCTTTCCTACTATTT

328464 AGTGTAAGCTGTGGATATTTTGTTATATAAGAATGGCAGGGGGTCCTAGAACTGGGGGCT
       GGAAGGCCCATTTAAAAGGTCATCTAATACGATAATTTTTAGTCTGGAGCACACAAGCAG
       AGTTCAGGTGAACTCCCTGGAATTATTTGCAAAATTGGGAGTATTTTTCGTATGTATAGT
       TTGAGGGGAATTTCTGTCAAATGCACATAGGCACCTGTAATTAAAGAGCCGCCTTCATTT
       TCACACATGAGGAAACTGAGGCTGTTACAGATGTAGAGACTTGCCCAAGGTCTTGAATAA
       [G,C]
       TTCTCAGAAAGGGAGTTTGTTCTATGATTTGTGTTTTTTAATAAAGTTTTAATGGACAGA
       CCACGATATCCAACATGGCCTTGGAGCCATAGGGTTCAGAATATTAGAAAGCCTTGGCTT
       CTTTTTTTCATTGAGTTGTCATATAGTGATTTTAATAATAATAGAACATGCTATTATTCAG
       AATACATTCTTCCACCCTAATATCCCAAAACAGTATTTTTAAAGAAATTCTAGGAAGGGT
       GTTTACTCATTCAGAGTTCTACAGGAAGGAAGGCTCTTTCCTACTATTTTTTAAGCATAA

328968 CCCAAAACAGTATTTTTAAAGAAATTCTAGGAAGGGTGTTTACTCATTCAGAGTTCTACA
       GGAAGGAAGGCTCTTTCCTACTATTTTTTAAGCATAACTTTCACTGACAAGACCAGGCCA
       GAAAAAGCCTAGCTGGCTGGCTGTTGGCCCAGACAATGTTATAATAATCATTGAAGTATACTCA
       ACCTGCACTGCCTGAGGATAGCTACAGCTAAAAAAAATAAATAAATAAGCACACACAGAT
       GTATGCTGAGTGTTCCAGTGACTTAGCTGACATGTATGCTGTATATCCTTTGCTGTGTTC
       [C,T]
       TTCAACTATTAGAAAGGAAATTTTTAAAATAGCCTAGAATTTATTATTCCAATAGGGTGAA
       AAGGACAACTTCAACTTTAAAAAAAATAACCAAGCTCTCCAAGGCTGTATCCCCAGCAAGT
       AAATCAATCTGGCATATAGTAGATGCTTAATAATTTTTTTGATGAGAGAATTGTTGAAGT
       TTGTTAGTTATATTTCAGAAAGAGAATTTTGTTTGTTCATCAATAATGAGTATCATGTAG
       TGTCAAAATAGTAAAATTAAAAAGGACTGCTTCAACATTTAGAAACCCCAGATTTCAGCG

329579 AAGTTATTGTACGACCTTGGGCCTCATTTTCTTTGTCTTAATAAGGATATAATAATATCT
       AATTCCCAAAATTTGGGGGAATATTAAATGAGCTACAGTATGTGAAAGATGCTTCATAGA
       TCCTTAAGTGCTATATAAATATTAATGTTATTTGTCTTAGATAACATTTTCAATTTTTTA
       AATATGTATTTACTGAAATCATCTTTATTTCCTAAGTCCTGTATTTGTTTTAGGTAGAAA
       GAAGTGATTTCCATGATTGAAATGGAGTTTTGAATTCTTTGATAAAATACATTTTTAAGGT
       [A,G]
       TACAGAATTGTCTGCAAAGAATTAAAACACTCATTTTTAAGCAAGGGAAATATATTTATT
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          TTATGATTTTCCTAATTGAATTTTTGCCAGCTAATTTGTACGTAAGTTAAGGATTGATTG
          ATATATATTTGATAGACAATCACCCTCTTCTAGGTATTATAACATATACAAAAAGTATAC
          AACAGCATTTTCCAAAGTGGAAAGAAATATTAGTTTTTGAGATGTTCCATGATTAGAGT
          TTGGGAATTTAAAATAGAATTTTTACATACTACCATAGGTTTCTCCTAGATATTTTTATT

331838    ATGATGTGGTGGGTTTAACTTCTTAAGAAGCTGACAAATAGCTTTCCAAAGTGGTTGTTC
          TATTTTATATTCCCATTAACAGTGTATGTAATTTCTAGTTGCTCCATGTCCTTGATCGGT
          CTTTGGTATTGTTAGTGTCTTTAATTTTCATCATTCTTATAATGTAATGGTATCTCATTG
          TGGCTTAAATTTGCATTGATCTGATAACTAATGATGTTAAGTATCTTTTCACATACTTAC
          CTCACAAAGGAAGCTGTGTGGTTAGCAAGTATGTTCAAATTTTTAGTCCAGTTACTTTGG
          [A,G]
          TTATTTTCTTATTATTGAATTATGAGGATTCTTTATATATTTTGGATACAAGCCCTTTGC
          AAATATGCATATTGTGAATATTTTATCCCAGTCTGTGACCTGTCTTTTCGTTTTCTTAAA
          GGTACCTTTTGAAGAGAAATTTTGTTTTGATTTTTGTAAAGACCAGTTTGTCCATGTTTT
          TCTTTTATACTTCTAGAAGTTTTATAGTTTTAGCTCATAAATTTCAAGTTTATTTTTCAG
          TATGGTGTGAGGTAAGGGTCAATGTTCATTTTTTTTCATATGGATTTCTAGTATTCACAGT

332042    TAACTAATGATGTTAAGTATCTTTTCACATACTTACCTCACAAAGGAAGCTGTGTGGTTA
          GCAAGTATGTTCAAATTTTTAGTCCAGTTACTTTGGATTATTTTCTTATTATTGAATTAT
          GAGGATTCTTTATATATTTTGGATACAAGCCCTTTGCAAATATGCATATTGTGAATATTT
          TATCCCAGTCTGTGACCTGTCTTTTCGTTTTCTTAAAGGTACCTTTTGAAGAGAAATTTT
          GTTTTGATTTTTGTAAAGACCAGTTTGTCCATGTTTTTCTTTTATACTTCTAGAAGTTTT
          [A,G]
          TAGTTTTAGCTCATAAATTTCAAGTTTATTTTTCAGTATGGTGTGAGGTAAGGGTCAATG
          TTCATTTTTTTTCATATGGATTTCTAGTATTCACAGTACCATTTCTTAAGATAATTTCCTT
          TTTGAGTGCCTTAAAATCAGTATGGACTTCCTTTTTCTATTTTATTTATCCGTATCTTTA
          TCCTCTAGATACTCTCACACTATCTTGTTTCTTTAGCATTATAAGTTTTGAAGTCAAGTA
          GTGTAAATTTTTTCCAATTTGTTTCTTTTTAGAAGTTGCTAAAAGTTGCCACATTGCCTCTG

332058    GTATCTTTTCACATACTTACCTCACAAAGGAAGCTGTGTGGTTAGCAAGTATGTTCAAAT
          TTTTAGTCCAGTTACTTTGGATTATTTTCTTATTATTGAATTATGAGGATTCTTTATATA
          TTTTGGATACAAGCCCTTTGCAAATATGCATATTGTGAATATTTTATCCCAGTCTGTGAC
          CTGTCTTTTCGTTTTCTTAAAGGTACCTTTTGAAGAGAAATTTTGTTTTGATTTTTGTAA
          AGACCAGTTTGTCCATGTTTTTCTTTTATACTTCTAGAAGTTTTATAGTTTTAGCTCATA
          [A,C]
          ATTTCAAGTTTATTTTTTCAGTATGGTGTGAGGTAAGGGTCAATGTTCATTTTTTTCATAT
          GGATTTCTAGTATTCACAGTACCATTTCTTAAGATAATTTCCTTTTTGAGTGCCTTAAAA
          TCAGTATGGACTTCCTTTTTCTATTTTATTTATCCGTATCTTTATCCTCTAGATACTCTC
          ACACTATCTTGTTTCTTTAGCATTATAAGTTTTGAAGTCAAGTAGTGTAAATTTTTCCAA
          TTTGTTCTTTTTAGAAGTTGCTAAAAGTTGCCACATTGCCTCTGTAGATACACACAGAGA

333419    GGCCAACATGGTGAAACCCCGTCTCTACTAAAAATTAGCCAGGTGTGGTGGCATGTGCCT
          GTAGTCCCAGCCACTAGGGAGGCTGAGGCAGGAGAATCTTGCAGTGAGCTGAGACTGCGC
          CACTGCACTCCAGCCTGGGTGGCAGAGTGAGACTCTGTCTCAAAAAGAAAAAAAAAAAA
          CACCAAGTGCTGGGATTATAGGCGTGAGCCACCATACCTGTCCTTAAACCATATTTTAGT
          AGTTATTTAAGGAAGTTACAAAAAAAATTCCTTTTGATATAATGAGTGCAAATTATTTGC
          [A,G]
          CATTTTTGAAAAGAGAATAGTCATCTTTTATTCACCTGATAATTGCTGAGAAGGGCAAAC
          CTCCCATAAGTACTGCTTTTCTTTTTTTTTTTTTTTTTTTTTTTTTGAGACAGAGACCTC
          CTGCTCCACCCACCTCAGCATCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCGCGCCC
          AGCCTTCTATTTTCAAAAGTACTCTTGACATTGTTTGTATCGGTGACATAGATTATGGAA
          TCTCTGGTACTTGTTTTATTTACCAATTACGAATAATAGTGGATTGTTCGTGAAATTCCA

336143    AAAATTCTATCTTTCCTCAAATTATATTTTTGTGTTCCATAATGCTTGGATTGGGGAGGG
          CATCCCATTGTGGTCCTATTTATAATTAGTATATTATTACAACTTCATAGAAATTTTTGCT
          AACAGCTACATCTTAGTAGTTCTGTGGTTTCTAATTTAGATGAGGCAGGTTTGTTCCCTG
          TTGAGGGTTTTTGTTTTGTTTTGTTTTGGTCTGAATAGGTAGGCAGTTCACACAGTTGTT
          TTAGGAAAATTATTATTTCTTTAAAAGTCTTAAAGTTAATAAACAGGAGATTTAGGAGAC
          [T,G]
          TTAATTAATGCTTAAGATAAAAGGTTTCATTTCTCTCTCTCTGTTTCTCTGTCTTCACAC
          AGAACCTTCTACATGGTGTGTGTTAACAAGCACTTGATAAACTGTGGGGAAAAAGATT
          TTTAAATTAGATTTAGGAAAAATAGACTTCAGTTCTCATTTGTTACAAGAGGAGCCCTCT
          AACTCCCTGCTGTAGACACAGCCATTTTCTCAGAGTTGGAGTGTCTCTCTTTGGCCACTTTG
          GGTATAAAAATGAAACTACTATCAATTTATTGTCCTCACAAGAGAATAGTATATTATATT

336148    TCTATCTTTCCTCAAATTATATTTTTGTGTTCCATAATGCTTGGATTGGGGAGGGCATCC
          CATTGTGGTCCTATTTATAATTAGTATATTATTACAACTTCATAGAAATTTTTGCTAACAG
          CTACATCTTAGTAGTTCTGTGGTTTCTAATTTAGATGAGGCAGGTTTGTTCCCTGTTGAG
          GGTTTTTGTTTTGTTTTGTTTTGGTCTGAATAGGTAGGCAGTTCACACAGTTGTTTTTAGG
          AAAATTATTATTTCTTTAAAAGTCTTAAAGTTAATAAACAGGAGATTTAGGAGACTTTAA
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<div align="center">FIGURE 3LLLLLL</div>

[T,G]
TAATGCTTAAGATAAAAGGTTTCATTTCTCTCTCTCTGTTTCTCTGTCTTCACACAGAAC
CTTCTACATGGTGTGTGTTAACAAGCACTTGATAAACTGTGGGGAAAAAAGATTTTTAA
ATTAGATTTAGGAAAAATAGACTTCAGTTCTCATTTGTTACAAGAGGAGCCCTCTAACTC
CCTGCTGTAGACACAGCCATTTTCTCAGAGTTGGAGTGTCTCTTTGGCCACTTTGGGTAT
AAAAATGAAACTACTATCAATTTATTGTCCTCACAAGAGAATAGTATATTATATTCAAGA

337934   TTCTTCTGTGTATCAGAATTTGCTGACATAGGCCAAAGACTGATATCTGTAAAATTGGGG
TTGAATTTTTATTTGAATTTGGATATTATCCTCCTTTCAGTGAATCCCTTGGGATCACCA
ATTTGTGAGGGAGTCAGGCCCCTTCTTGGCCAGTTTGTAAATCTCCTCCCTTACATCTTCA
GAGGCCAGCTTCAGCCAAGTGGGGACACTGCAGTGACAGGGAGGAGCCGATTGGGACAGG
CCCTTCCTGGGAGCAGGCATGCAACTCATGATGTGGCAGTCAGGAGCAAAAAAAACACCT
[C,T]
CTTTTCTTTAAAATGTAAAAATTTGCTTACTATAGTGGTTTTTTTATTGCAATCTTATGA
ATGTAGCTCTAGAAGATCTTTTTAAAGCAATTCATTAGAGTTAAATACATTTCACACTGA
GTTTTCAAAAAGCTTTAAACTTCATGTAAACTTAGTCTGTTTGTTTTATTTTTAAATGATC
TGTCATGCCCTGAATTCTGTTTTGTAGTCTATGCCTTCCTGGGTCTAATAATAGCACAAG
ATCTTCATGCCAGCTTGACATTTAAAAAATCACCTTCTAGTTTGCCTCATTAATTCAAGA

341242   GATTTGTATTATTGAAAGATTTGTGGCATTTGTGTCCAAAGCCACCACTAGCTAGCCTTC
CAAGCACCATTACACGAATTAGAAAAAGGTGTTCCTTCACCCCACTTGGTGACAGCTTTT
TGTTACAGCAAAAAGCTTGTCAGAGCATGAGCAACATTTCAGCCCCTATTTGCCCCCCTT
GGCTGGGCACCCTTTTGTAGATACAAGCTTTACATCTGTACAAGGTGTCTTATTTTTGTC
TTCTCCACCTTTATCTCCCTCACAATGCCTAGCATAGCACCTTATATAGAGTTATTGTCA
[T,C]
TAAATAAACAAATGGAGACTTTACATCTCAAATATATAAACTACTTTCTGTAACTTTAAC
ATTTACCTCATGAGCCCTTGGATAAAAATAAATTGGGACTATTAAAGATGTCTTTTGTAG
AAGATACAGAAATGGCCAACAAACATGAAAAAATAGCATCACTAATGATCAGGAAAATGC
AAATCAAAACCACAGTGCAATACCACTTTATTCCTATAAGAATAGCCATAATCAAAAAAT
CAAAAAATAATAGATGTTGGCGTGGATGTGCTAAAAAGGGGACATCGTTACACTGCTGGT

341261   TTTGTGGCATTTGTGTCCAAAGCCACCACTAGCTAGCCTTCCAAGCACCATTACACGAAT
TAGAAAAAGGTGTTCCTTCACCCCACTTGGTGACAGCTTTTTGTTACAGCAAAAAGCTTG
TCAGAGCATGAGCAACATTTCAGCCCCTATTTGCCCCCCTTGGCTGGGCACCCTTTTGTA
GATACAAGCTTTACATCTGTACAAGGTGTCTTATTTTTGTCTTCTCCACCTTTATCTCCC
TCACAATGCCTAGCATAGCACCTTATATAGAGTTATTGTCATTAAATAAACAAATGGAGA
[C,T]
TTTACATCTCAAATATATAAACTACTTTCTGTAACTTTAACATTTACCTCATGAGCCCTT
GGATAAAAATAAATTGGGACTATTAAAGATGTCTTTTGTAGAAGATACAGAAATGGCCAA
CAAACATGAAAAAATAGCATCACTAATGATCAGGAAAATGCAAATCAAAACCACAGTGCA
ATACCACTTTATTCCTATAAGAATAGCCATAATCAAAAAATCAAAAAATAATAGATGTTG
GCGTGGATGTGCTAAAAAGGGGACATCGTTACACTGCTGGTGGGAATGTAAACTAGTACA

346129   TTATGTTTATATTAATAGACACACACAGTTTCCAATTGGTATTTCGATGCCTCTTTCCTA
AATATGAATTGAAAACTAAGGACCACTAATATTTGAAAAAAGCTAAAAATAGACAGTCTA
AAACAAGCACAGGGAGGATAGACATAATTAGGGAGCAGATGAAAAGAGAGACAAGAATAA
TATGGCCACAAAACAAGCACCAGAAGCTCTAAAATAGAAGGCTCAATTGTTCCTTAATTG
AAAATGTAAAACATTCAGGTAGAAATAAAAAAATAAATGGAAGAATTGGATGATCAAGTTG
[C,A]
AAGTCTCCCAGAAAGTCAAACAAAAAGACAAAGAGATGAGAATTGTAGACATGGTAACAT
CTGACTAATAGAGGTCTCAGAAGGAACAAAGAAATCAGAAGAGAGAAAACTATCAAGACT
TCTTTCCAAGATTTGAACATTAAATTTCTAGATTGAAAGCCTCTACCAAGTGTCTGGCCT
CAAACCATCACATTCAAAGGACTAAAAATTTGGAGTGCCACAAATTTATCAACAGCAGAA
GCTGTACGACAGGAGAGCTATTCTTGAAATTTCTGAGGGGAAATTATTTCCAACCTAGAG

350106   GTGAAATTCTTTGAGGAAAAGACACCAATGATCTTTCCTATTAACTTATAAATGCTTCCA
CTGATCAGCAAAGGTAGTTCAAAATTTCATCACTCAGTCCTGATGCTCAGATAATACCAG
AGTAGTCAGGGTGACACTGTTGTGCTTCTGACTGGTAGAAAATGTTTTGCTTTCCATTTT
TCAAAGACAGTTGTTGACAGATAATCCATTCTCTTTGTGTATGTATGTATGTAATGAAAA
TAGCCACCGTGAGCTCAGTAAACCCCTCCTTACTAAATGTACACAAAAGTCCATTTTCAG
[G,A]
TGTTTGTTATTTGTGAAACTTGGTTATGTACAATATCATGAACATATAAACTTCCCCCTT
CATGCTCATTTGCTGTTTACCAATATGATTCCCCTTGAGACTCCAGCATTAGGTGCTATA
TGGCTGTACAAATTGGTTTGGGATTGCTTTGCTTACAGTCATCTCACCTCAGAACCCCAC
TTAGCAGTTTCTATGATTCTCAGGGAAAGTGCTTCAGCAGAAGTAGACCTTTAGGAATTA
GAGACAAGTTACAACCAAAGGAGGGACATTCACCTGCAGAAGCTTATAAAAGCACATGAG

351103   GGTTTTGCCCTTCAGCTGAAGGAGACTTTATTCTCTTATATTATTCAGAAAGAAGTAAGAA
TGATTGTAAATATAGACAATTTCTTAGGTAGAGGGCTAGAAAGGTGAAAAGGGTGGTTAA
ACTCAGTCATCGCTGATCCTCAACTTAAAAGTCTGTTCCACTAATCTTTATTTTGTATTA

FIGURE 3MMMMMM

CTGAATGCATATATAATGAGCTACGTTAACATTGGGTTTTACTGTACATTATGCGTAGTA
TAATATATAGAAAGTCTGATCCCCTCTTTTTAAATAATATATAGAAATCCAAACTTTATCA
[A,G]
TGTAAACATACTGAGTTTGAGGTGTCTATAGATCATCTTAATGGAGATGTCATACAGATT
AGTTTTCATTTTTAAATTTCTCCCTATTTCATTGAAAATATGATTCACTATATAAAATTG
TAATTAATATAGATATATTACATAAAGACAAAGGAGGAAGCTCTATACATATGGATGATCA
CATACTAATGGAAGATTTTTTAAATTGTAAATTAATATTGTTTCCTAGACAAGTCAGTAG
GATTGAGTATACAAGTTGAACATCCCTAATCTGAAAATCCAAAATCCAAAATGCTCCAAA

351139   ATATTATTCAGAAAGAAGTAAGAATGATTGTAAATATAGACAATTTCTTAGGTAGAGGGC
TAGAAAGGTGAAAAGGGGTGGTTAAACTCAGTCATCGCTGATCCTCAACTTAAAAGTCTGT
TCCACTAATCTTTATTTTGTATTACTGAATGCATATATAATGAGCTACGTTAACATTGGG
TTTTACTGTACATTATGCGTAGTATAATATATAGAAAGTCTGATCCCTCTTTTTAAATAA
TATATAGAAATCCAAACTTTATCAGTGTAAACATACTGAGTTTGAGGTGTCTATAGATCA
[T,G]
CTTAATGGAGATGTCATACAGATTAGTTTTCATTTTTAAATTTCTCCCTATTTCATTGAA
AATATGATTCACTATATAAAATTGTAATTAATATAGATATATTACATAAAGACAAAGGAG
AAGCTCTATACATATGGATGATCACATACTAATGGAAGATTTTTTAAATTGTAAATTAAT
ATTGTTTCCTAGACAAGTCAGTAGGATTGAGTATACAAGTTGAACATCCCTAATCTGAAA
ATCCAAAATCCAAAATGCTCCAAAATCCAAACTTTTTGAGCACGGGCATGATGCCTCAA

358126   GTAATATTTTCTTATGAGGTTTAGTGTCAGGTTCTTCAGGTAGAAGAAGCACAAGCAGCT
GCATTTAGTAGACCTGGGTTCCAATCCTAGCTCTACCATTTATCAACTGTATTACATTGA
GTAATTTAGTGAACCTATCTGAGACTCTGTAAAATGGCAATAGTAATACTTCATTACTAT
GAAGTAATACTTTCATAGGCATTATGAAGATTGGAAATAATATATAGGGTACTTAGTAAA
TAATAGCTATTGGTGTTATTCTACCACTACTTTTTTTTAAATTAATAAACTGTGTACTACC
[G,A]
CCATTTTAATTAATAAAGTTCGGTTCCTTTACAAATAAACATTAGTTTTTCTATCCCTGCT
GTAACAAATTGCCATACACATAGTAGCTTAAAACAACAAATTTATTATCTTATAGTTCTG
GAAGCCAGAAATCTGACAAAGGTCTTATTGAACTAAGATTAAGATGTCAGCAGGGCTGTA
ATCCTTTATGGAGCCTCTTGGGAACAATCCATTTCTTTGCCTTTTTTCAGCTTTCTGAGGC
CCCCTGCATTCCTTGGTTCATGGCCTTTTCCTCCATCTTCAAAGCTAGCAGCCTAGCATC

361818   TAAAGTTGTATTGGAACACAGCCACACTCATTCATTTACGTATTGCCCATGGCTGCTTCC
ACACTGCAAGGGCAGATTTGAGTAGTTCCAGGAGGAACTGTGTTCTCCGCAAGACCAAAA
CACTTGCTGTCTGGCCCTTTACAGCATAAGTTTGCGCACCCCTGATGTAAATAATTGTTT
CACCCATCTTCCCACCTCTGCACCGACACACATATTCTTCCTATCATCTCTTTCTCCTTCC
TTCCCTTCTTCTCTTCCTCTTCACACACACACATACCTCATTTTGAATTTGGCAATTATGAT
[T,C]
ACTTACAGTAAAGGTAAGCGGAAATACATTTTAATTTTCCTTTGTCATTTCTCTCCTCCC
TGTCTGCTTTCCCTTTCCTCTACTGCCTTTATATAGAATGTCTGAGGGCTGTGCCCTTTT
CCCAAAATATTTTGTTTTAAGGTGGGGGGTTAGATCTTGGTACATTTTTTTGACTTCCATGG
AAAGTTTTGTGTTAGTATGTGGTCCCATTTTTAAACCTATTTGCAGACACCCCCGATTATC
TAAAATCACTTTCACATGGGGCTGAGGTTAAGCTTTATTTCTTTTGGCATGTCCCTACCA

362286   TTGACTTCCATGGAAAGTTTTGTGTTAGTATGTGGTCCCATTTTTAAACCTATTTGCAGAC
ACCCCCGATTATCTAAAATCACTTTCACATGGGGCTGAGGTTAAGCTTTATTTCTTTTGG
CATGTCCCTACCACAGCAGACACTTCCTCTTTGCCTTGAAAGGACAAAACGATGTTCAGC
TGTCTGGGCTTAGGCCCAGTATTTGATTTATACATTATTTAATTTCCTCCTGAAAATTGG
AAGCAGGACTTTCAGGAATAGAAGTCAGTATTTTTCATTTGTTTTAGAATACTTCTAGGT
[C,G]
TAATATAATCATCAGTGGTAGATGTCAGCATGATTAGGGGGGTGACTTAAGGTAAAGCAAA
TAAAATGTGAATACAAAAGGAAAATTATTTGACAATGGAGAAGTTCCGAAGTTTTTGAATA
ATCATTATTGTATATGTTATTAGGTTTTGGGGGGTACTACATTTTGGGGCACCTGTCTTCA
CTTTACCCCATTGAAGGAAAGATGTCTATTATGTTATAGTTGCAATTGTTGGGGGGATTAGA
AGTTTGAGGAAAATGTAATGTAACCCTTCCAGTAATTTTACAGAGGATTTTTGGATTCTC

362869   GAGGATTTTTGGATTCTCTGTGAGCTGCTACTGCATTTGTCTTCACAATTAAGTTCATAC
GAATGCCAGGATGTGAATGCCAAAATAGTTTGAGATTTTAACAGCAGTGAACTCAGGAAA
TTAAAAATTAACTCTGGAAATACTATTTCATGTTTTACAACCACTTTTGGATGGTGTGTT
CCTTTTTAAAACCTTCCTTAGATCATTGTTACTCTTGGGTTACAACCTGTCTCCTTTTTAC
CACCCAAAGTTCTTAAAAGTCTAGCACACCTACTGCCTCTACTTCCTCACTCATAATTCGC
[T,C]
TCTCAAACCCTGGCAGTCTGGGCTTTCCCTCCCTCTGCACACTGCTAAGCTGACCTCACT
ATTTCCTTCTCTCCAATTATAATAACCAGCTCTAAGTCCTCAGCTTTCCTGACCTTTTTG
CTCCATCTGTCAGAATTCGTACCCTCTTCCTAAAGCCCTCTTTCAGTTTTTATGTGGGAC
TGTCCTAATTTCCTCTACTTCTTCCTGTCTTTTATAGACCCATCTCCCTAGTATGGAGCT
GGGCTTAAGTGTCCCCCCAGGTTCTGTTTTCTTGGACCATTTTTTCTCCCTACATTCTTAGGC

363642   GTGTGCACTCCCATGGAGTGCCTTGCCACCAACACCACCAGTACATCTCTTCACATTCTT

FIGURE 3NNNNNN

CTAAAGCTTATTCCTAAAGCATCTACTCTTTTATGTTACCAGGCTCCCAGTAGATGCTTT
CCCTCCCTCATCTGAGCTATGGTGGGTAAAGAAAAGGTACCAGAGTCAGACAGATATGGA
TTTAAATATGGATCCACCACTTACCTGTGTGTGATGTTGAACAAATTTACCTAAAGGCTT
TCAAATCAGTTTCTTCATTTATAAATTGGGGGTAGGGGGAAGGATTTTACCTACCACATT
[G,A]
GATTGTTGGATAGATTCGGTAACTTATGTGAAGGCAGAGAACACTTGGAAATCAGTGGTG
GTGGAGGTGGTAGTGCTAATAGTGCTAATATCACCATCGTCAATATAATTATTTCCACAG
CAGCATTTTGTTTCTCATATGTCAGTTACGTCACTGTACTTATTGTCTTGTTCTCATTTC
AGAATTTCAGACTCCTCGAGGTTTTATTTATATTCCCCTGTTCCCCAAGAGCATAGAACA
AGGACTTAAGCATAGGTTTTCCTAAGTGAGTTGAGTTGCATAGAATAGCTATTCTCCCCT

363730 TTTTATGTTACCAGGCTCCCAGTAGATGCTTTCCCTCCCTCATCTGAGCTATGGTGGGTA
AAGAAAAGGTACCAGAGTCAGACAGATATGGATTTAAATATGGATCCACCACTTACCTGT
GTGTGATGTTGAACAAATTTACCTAAAGGCTTTCAAATCAGTTTCTTCATTTATAAATTG
GGGGTAGGGGGAAGGATTTTACCTACCACATTGGATTGTTGGATAGATTCGGTAACTTAT
GTGAAGGCAGAGAACACTTGGAAATCAGTGGTGGTGGAGGTGGTAGTGCTAATAGTGCTA
[A,T]
TATCACCATCGTCAATATAATTATTTCCACAGCAGCATTTTGTTTCTCATATGTCAGTTA
CGTCACTGTACTTATTGTCTTGTTCTCATTTCAGAATTTCAGACTCCTCGAGGTTTTATT
TATATTCCCCTGTTCCCCAAGAGCATAGAACAAGGACTTAAGCATAGGTTTTCCTAAGTG
AGTTGAGTTGCATAGAATAGCTATTCTCCCCTAAAGGAAAATACTGACTCCACAGTGTTC
TTAAAAGTCAGAGCTGGTAAGTTTGTAGCTGTCTCTTCATATTTTAATCAAACATTATCA

365893 GCTGCAGGTTTTAATAGGGTGGCCCATGGAAAACCTTGCCGAGAAGGTGGCATTTGTGTAA
AGACTTGAGGCGAGTGAACTGCAATTATCCAAAGGAAGCACATTTCAGGGAGAGGGAACA
AGAAGTCCACATGCTCCGAACACGAGTGTTCTTTGCACATTCAAGAACAGCCAGGAAGCC
AATGTCACTGGAGTGAAGAGTGTGAGGGGGTTCTAGGGCCCAGTTGAAAAAAAGTGGGAG
TAAGTGATTGGTGTGTCGCATGCTGCTGATAGATTAAATAGATTGAGAACTGAGGATTGACC
[G,A]
TAGGATTAGTGACCTTGACAGAGCAATTCAGTGGGGGAGTGTTCAGAAGTGTCATTTCAA
TGGGTTTAAATGAGAATGGGAAGAGAGGAAATAGAAAATGGAAAATGAAGAGAGCTCTTC
CAAGGAGAGTTGCTAATGGGAATGAAAGCAGATATGGAGACAAGGAAGGGACTAGATTAC
ATCTATAAGGTGAGAAATTACAACGTGTTTTTATGGTGGTGGTAAAGCTTGACTCAGGTA
AAAGGAAATGGAACCCCATGCATAAATAGAAGGATTGATCTTGGCAGCACAGATACTTCA

366622 AACACCTGCAGTATCCTTCTCATATGGTCATTTGCATATTATCTCTACAGCTGTCTTATG
TTTGGCCAGCTTATTAATTGTTAATATATCTCTTCCTCTTATTGAGCAAAAACCTTTCTT
CTAGAACATTGATCCTAGTTTCTGCTTCCCATAGCCTCCCAAGATGGACAGTTCTAATTTT
TCTATAGAAGAGCCTTTGAAGGACTGGAGGACTGATGTGGTTTCTCAAGGCCGACCTCAT
TCCTGCTGATTCTAACACCTAGCCCTTCAGTGTTTCTGCTGGCATGTGTGGTTTCAACCC
[-,C]
TGTCACATTCAGACACTCTCATCTAACAGGGCCCAGGGTATTTAATCAGTTTCATTTGCT
AATCAGGCCTCATTGGTCCCGGCCTTTGGTATCTGTTTTCTCCCAGGCTTTTTTCTACA
TATTTAGTGTTTCTCACAAATACTAACATTGAACCAGCATGCCATTAAGATTTATTTATT
TATTTCAGTAGCTTTAGGGGTACAAGTGGTTTTTGGTTACATGGATAAATTGTATAGTGG
TGAAGTCTGGGCTTTTAGTATACCCATCACCCAAATAGTATACATTGTACCCAATAGGTA

370992 CAGAAGTCCCAGCCTTGACAGAAGCAACTGGGGGAGCTCTCCTTGAAAGGCACTGAGGTC
TTTGCAGGAGAAAGGGAGGGAGCCACCTCAGCTTCTCTTCCAGACCAGCACGAAAGCAAT
CTGCCTCCCTGTCACACTCATGTCGCAATGTTCTGGATATTCAGATCAGACGAGGCACTT
CTGTGGATCTGCAGAAATGCTGACATTCATGTAGAGAGGGATTGTGAACCTACCCCCAAAG
TGCTCCAGAAAGGCCATCCATAGGTGCACCCCCAGCCAAGCTCCTGTGGAGGAGTCCCAGC
[G,C]
ACGTCTGCAGTGATAGGCAAAGGGTAGAAGTCCCCTTCTCCAGGTCCCTTCACGAGCACT
GGGGCTGCCCAACTGCTGGGGGTAGAATGACAGTCTTTCTACCACTTAGCCCAGCACTGCA
TCTGTGCCTCTGCTGAAAGAAACTTCCCACAAGCAGAAAGTTCTAGGACTCAAAGGCTGC
ACTCTAATTAATTTTGTCCCACAGGGTGCTCCCCTTGATATGGTACCCTTTCCCTTCCCCT
AGGAGTGACAGTCCCTTAGGGCAAGACTACTGTAAATACTGCTGCTTCTCTAGGTATAGC

371475 TCTAATTAATTTTGTCCCACAGGGTGCTCCCCTTGATATGGTACCCTTTCCCTTCCCCTAG
GAGTGACAGTCCCTTAGGGCAAGACTACTGTAAATACTGCTGCTTCTCTAGGTATAGCCA
CCCTGTGGGGCTGCCACAATCCCAGGCTGGTGCTGGTGCTGGGGAATGTCTACAAGGGATCCAGTG
ATGTGAAGATACAAGGGTTGAAGGATCCTGAGCAGAACAAAGTCCCACAACCTATGTGCA
CGAATATGGCAGCCGCTACTACAGCTCAGGCCTAGGGCAAGAGGGAAGGGACACTATGCA
[G,A]
ACAAGGCAGTGCCCTCAAGAAGTCCCCAAATCGCAATCCACTCCTGTACTTGTGCTTACA
AGGGCAGAGACACTCTGCCTGAGTTCAGATGCCAGCAGTCTGCCACAAGACCTAGAGATG
CTGAGAGCACTCCCACCTACCCTTTCCAAAGATTACTGAGCCTCTGGGGGTTTGACCTCT
GCCAGCTTCTTGTAAAATAAAGCACACTTTATTTTGTGGCTGTATCATAGATTCTCCCAG
TGAACTCTGTGATAGGCTCTAGCACTCTCCCCTTAACACTCCATTTGGGCTATGATTATT

FIGURE 3000000

373927   GGCTGCAGTGAGCCAGCATCACACCACCTCACCAGCTGAGCACGATCTTGTCTCAAAAGC
AAAACAAAACAAAAAAAAGATAAAGCAGAGAAAAGCGTGAATACTATGCTAACATTTTTC
GGGAAGGTGGCAGGAGAGGTGGGAAAGCGTCCCTTTATCAATATATCCCAGCTAATGAAT
GAAGAAGAAATAACAGAAATAGGATAGCATCATTTTGCAGCCCTTCATGAATCAAAAGAC
CTGGACAATCATAAGTGGCTACTAACACATGAAAAGAAGAGCAGCCATACATTATGTGCA
[A,T]
CTCAGCAATACCTATGAAGTACTTGTTCAAAAAAAAAAAAATCAAACCTGAAACTCCCC
AAGCCTCTAGATCTTAATACAAGTTAATAAGAAATACAGGAGGCAGGAGATGTTAAATAA
CACCAGAGGGATGCAGGAAGCAAAATAAGGAATATGGGAGACTGGATAGGATATATAATT
CTGTTTCTTGAACATAAATTTTAAGGGAAAAGAGAAAGAGAAATCCCTTAGATATGAGAT
ATAGTAACTAAATGTAATGTGTCACACCTATTCTGATCCCAATTCAAACCAACCATCTGT

374062   GAGGTGGGAAAGCGTCCCTTTATCAATATATCCCAGCTAATGAATGAAGAAGGAATAACA
GAAATAGGATAGCATCATTTTGCAGCCCTTCATGAATCAAAAGACCTGGACAATCATAAG
TGGCTACTAACACATGAAAAGAAGAGCAGCCATACATTATGTGCATCTCAGCAATACCTA
TGAAGTACTTGTTCAAAAAAAAAAAAAAATCAAACCTGAAACTCCCCAAGCCTCTAGATCT
TAATACAAGTTAATAAGAAATACAGGAGGCAGGAGATGTTAAATAACACCAGAGGGATGC
[G,A]
GGAAGCAAAATAAGGAATATGGGAGACTGGATAGGATATATAATTCTGTTTCTTGAACAT
AAATTTTAAGGGAAAAGAGAAAGAGAAATCCCTTAGATATGAGATATAGTAACTAAATGT
AATGTGTCACACCTATTCTGATCCCAATTCAAACCAACCATCTGTGAAATATACTGACTG
GTAAATGTGAACACTAACTAAATACTGATAATGTTAAGGAAATGTAGCTAATTTTAATGT
GGCATAAAAGTGTTACAGTATATCTTTAGAAATACACTAAAATATTTATGGGTTAAATAT

374489   TCACACCTATTCTGATCCCAATTCAAACCAACCATCTGTGAAATATACTGACTGGTAAAT
GTGAACACTAACTAAATACTGATAATGTTAAGGAAATGTAGCTAATTTTAATGTGGCATA
AAAGTGTTACAGTATATCTTTAGAAATACACTAAAATATTTATGGGTTAAATATTGTGAT
TCTGAGATTTGCTTCAAAAAAATTCAGTGCAGTGTTGGAGATAGGATTACAGTGTAGATGC
AACAAAATTGGTCATGAGTTGGTCATTGTTAAAGCTGGGTAGCAGGCGAGTGATTTCACT
[C,G]
TATACTGTTCTCTGTACTGTTGTATGTGTTTGAATTTTCTATCGTTAAAAAAATATTAAGA
AGAAAACAAATAGCATTATCTTTTCCCTAAGTGTTCACAATCTCCTCTGTCTCCCCTTTC
TCCTATTTTCTAAGGAGAAAGAATTGAGCAAGTTTACAAAGTGGGGTGGAGCTGTTGTGA
AAGATACTTCAAATCATTTTTTTAGCTACTCAGAATTATAGCATGAAGTCAAAGTTCTCTA
GGCTTGAAATGCTGTGTACCTCATTCTTCCCCTCCAACACATATTTCCAGTTATACGCAC

375527   CGTGGTGGCTCATGCCTGTGATCCCAGCACTTTGGGGGGCCGAGGCTGTCAGATCACAAG
GTCAGGAGATCGAGACCATCCTGGCTAACGGTGAAAGCCTGTCTCTACTAAAAATACAAA
AAATTAGCCAGATGTGGTGGCGGGCGCCTGTAGTCCCAGCTACTCCAGAGGCTGAGGCAG
GAGAATGGTGTGAACCCCAGAGGCGGAGCTTGCAGTGAGCCGAGATTGTGCCACTGCACT
CCAGCCTGGGGGACAGAGTGAGACTCCATCTCAAAAAAAAAAAGAAAAGAAAAAGAAAA
[A,-,T]
GGCAACTAGAAACAAGCAGCCCCCATTGCAGCACGCTGAACACCGTTTTTTGGAAGCATGC
ACCACTGAGCAGGAATTCCAAAATGGCACCTTTGCAATAGTACATTTTGAGGCATTGTGT
TGCCAAGACAGAAAGAAGAGAGGAAGCAGTGTATAAGCACCACAAATTTACATATACATA
GAAAAGGATAGAGGGCAGTTTTTACATCCTCTCTCTCATTTCCTCCACCAACCAACAATC
GGCCTGACTCAGATTACCTATCCAGCCCTCCTAAGGATCTTCACTTCCTCCCCCTAGAAA

375885   TGCACCACTGAGCAGGAATTCCAAAATGGCACCTTTGCAATAGTACATTTTGAGGCATTG
TGTTGCCAAGACAGAAAGAAGAGAGGAAGCAGTGTATAAGCACCACAAATTTACATATAC
ATAGAAAAGGATAGAGGGCAGTTTTTACATCCTCTCTCTCATTTCCTCCACCAACCAACA
ATCGGCCTGACTCAGATTACCTATCCAGCCCTCCTAAGGATCTTCACTTCCTCCCCCTAG
AAAACTACAGAGTTGCTCTGTTGTCACAGTGTGAAAACACACACACACATGCATGCGTGC
[G,A]
TACACATACACACACACACACACACACTTGATTTGGTGCATAGGAAGTGACCTAATTC
AGTTTGTCCTCATCATAGTGACAACTAGACTGAGCCAATCAGAGACTTTCTGTAGGGTTT
TGATTACTGGAATTGAGAAAATGAGGGCTTTCTGGTGGGTGAAGCTGTGAGATGTAAAAC
ACAGCAACTGTTCCTGGTCATGTGAAGCCAAAGTACGGAGAGAAGCAGAGACAAAAACTC
TCTTCATCGAGACGGAATCCCGATGGCATCCCAGGCCCTGCTTCCAGCTGGTCCGCTGAG

376687   AGATAGTGTGAAAACCACTCATGAGTCCCCTTTGCTTAAAGTTACCCTGGTCATGTTTAT
TACAGCATGTAAAGGTACATAGCCTTAAAGTCTTTTCAGGACTTGGGATTTTTTCTTAAAG
AAAACAAATCAAGAGTGTTCATTAAAAGATTGATATAAAAAATTAATAATTCTGAAGTTA
ACCCAAAACTTAATGTAATCTTCCATTGGAACATTTGTTGATGTGTGTGGGGGGTTTAAA
TTCCACAAATATTATTAAAATGAGCAATCAGCAGCAAGATGTTTTAAAATATTTTGTTTC
[C,A]
GCATGTAAAATCTCGTTTTATTACAGAATTATTTTGTTAAAGGCACAGCTATGCCAGGTT
GCTGCCAGAGTGATAGGATCATAACAGCCCAGTTAATTTTAAAAGACTCACAAGTGGTAG
GCCCTTGGAACTACTGATGGCAACATGTACATCACATTTTAGTATAATGCTTAAACTTACA

FIGURE 3PPPPPP

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           CCACATCTTGTGAATTTATATGCATCTGCCAATGTGTGTGTGTGTGTGTGTGTGTGTGTGTG
           TGTGTGTGTCTGTGCACGCATGCATGTAGATACACATATATTTATTTCAAAGAGAAGAGA

378952     GTACAAAAGAAGGATCTAACAAAATAAAACCCACTCACCTCTAGCATGATTAGCTCCATT
           TTGTATTTTCTGTACTCCCCAACTGTGATAATTCCAGCCAAACTGTATTCTGGCCTAAGT
           CATCTGGAAAGGGGGAAAGCAGGTGTTATTATGAAGCATTCAGAGGATTTAAGAAGATTT
           GAAATATAGTTACTATAGAGCAGTGATTCCTAACCCCTTTTTGGTTTTGGATCCTTTTTA
           GACTATAATGAAAGTTTTGAACCTTCTCTATAGAAAAATATATAATATGTATACATGGGT
           [A,G]
           TATGTTTTCATAAGTTTCAATGTATTCTTAGATCCATCTAGATATCCATAGACTCTCAGT
           TAAGAATCTTTACTATGTGGCCAACAAACACACAAAATTAGTGAAATACCAATTGAAATA
           GTATCTAGTTCATGTAACAAAGATTGCTTTATTATTTGAAATTAAAACAAAATAATATAA
           TGTGAGCTTCTAAATAAATGGCTTATAAACAACATAAGTATTACAAGTCAGAGGAAGCAG
           AGACCACCTTAAAAATATAAAAATAAAAAAGATACATGAGTGTATACTGGGTATTTTCAG

379000     ATTAGCTCCATTTTGTATTTTCTGTACTCCCCAACTGTGATAATTCCAGCCAAACTGTAT
           TCTGGCCTAAGTCATCTGGAAAGGGGGAAAGCAGGTGTTATTATGAAGCATTCAGAGGAT
           TTAAGAAGATTTGAAATATAGTTACTATAGAGCAGTGATTCCTAACCCCTTTTTGGTTTT
           GGATCCTTTTTAGACTATAATGAAAGTTTTGAACCTTCTCTATAGAAAAATATATAATAT
           GTATACATGGGTGTATGTTTTCATAAGTTTCAATGTATTCTTAGATCCATCTAGATATCC
           [G,A]
           TAGACTCTCAGTTAAGAATCTTTACTATGTGGCCAACAAACACACAAAATTAGTGAAATA
           CCAATTGAAATAGTATCTAGTTCATGTAACAAAGATTGCTTTATTATTTGAAATTAAAAC
           AAAATAATATAATGTGAGCTTCTAAATAAATGGCTTATAAACAACATAAGTATTACAAGT
           CAGAGGAAGCAGAGACCACCTTAAAAATATAAAAATAAAAAAGATACATGAGTGTATACT
           GGGTATTTTCAGAATATCTTATGTAATTGGGATGATGTGATTTCACCTCATTTACATCCT

384480     AAACAAAGGCATGTCTTCGTCTAGCTCTGACAGTGAGATCTTGGGCCCACTCTGCTATTT
           TTTTGTCTTATTTTCTCATTTTCACAAACAGATAATGTTTTACCTTTGCAAAAAGCTGTA
           TATATATATATATTCTAAAGCTTGGATATCAATTTTTTTTTCTTTTTTTTTCTGAGATG
           GGGCTTCACTCTTGTTGCCCAAGCCAGAGTGCAATGTCACGATCTTGGCTCACTGCAACC
           TCTGCCTCCCGGGTTCAAGTGATTCTCCTGCCTCAGCCTCCCAAGTAGCTGGGATTACAG
           [G,A]
           CATGCACCACCACACCCGGCTAATTTTTTGTATTTTTAGTAGAAACGGGGTTTCACCCTG
           TTGGCCAGGCTGGTCAGGTATCCATTTTTTTAGTCAAAACTGAATAAGATGAAATACTCAG
           ATTTATAGAGCTGGCCAAAACGTTTTTGTTTTTACAGCCTAATAGCAAAAGCAATCTTGC
           TGGTAGTTGGCTAGTAATTCATTTCTATGATGTAGTCTGCAGCCTATGGGGGAAGAGGAC
           AAGATGGTGAAGGGATTAGGGGAAAGCTTCCAAAATCCTTTTTGCCAAAGAAGTTAAGGA

385802     AACAATGGACCAGATACATAATGGTGGTCCCATAAGATTACAATATTATATTTTTGCTGT
           ACCTTTTCTATGTTTAGATACACAAATACTTACATTGTGTTACAGTTGCCTGCCTACAGT
           ATTCAGTAACATGCTGTACAGGTGTGTAGTGTAGGAGCAATAGAATAGACCCTATAGCCT
           AGTGTGGAATGGGCTATTACCATCTAGATTTGTGTAAGGACAGTCTGTCTACACAACAGT
           GAAAGCACCTAACAATGCACTTCTCAGAACATATCCCTGTTGTTGAGCAACACATGACTG
           [G,A,T]
           ATGTTACTGCACTGTTTGTAAATTTTCTGAAGTTGTGCTCCATTCCAGTGCAGTTTTTTT
           CTATGACAATACAACAAAGAAGCTCCTGTTCCTGTGGGATACATTTTGATACCGAAGAAA
           GCATCTCTCAAAAATAACAAAAGCATAGCTGTATTCTTGCTAGAATTTCTAATTTATGTT
           AGAAATTAGTTCTACAGAAAGAACTAAATGCAGAGTAGTGCTCCAAACTGAAAACATAGC
           TTGAGATGAACATACATCACAGTATTAAACAATTTTAGTTATTTACTTTCTCTTCATTCT

386270     TCTAATTTATGTTAGAAATTAGTTCTACAGAAAGAACTAAATGCAGAGTAGTGCTCCAAA
           CTGAAAACATAGCTTGAGATGAACATACATCACAGTATTAAACAATTTTAGTTATTTACT
           TTCTCTTCATTCTAAGAACTTAAGAAGACCTGACAACATCTGGATCAGGGGGTTCCCACCA
           CCCCCCAGGCCATGCACCGGTACTGGTCCGTAGCATGTCAGGAACCAGGCCACACGGTAGG
           AGGTGAGCAGTGGGCAAGTGAGCATTACCACCTGAGCTCCACCTCCTGTCAGATCAGCGG
           [T,C]
           GGCATTAGATTCTCATAGGTGTGGGAACCCTATTGTGAACTGTGCATGTGAGGGATCCAG
           GTTGTGCGCTCCTTATGAGAGTCTAATGCCTGATGATCTGAGATGGAACGGATTCATCCT
           GAAACCACCCCGCACTCCTCCGCCCCCTGTCCATGGAAAGATTGTCTTCCACGAAACCAGT
           CCCTGGTGCTAAAAAGGTTGGGGACTGCTTATCTAGATCATATGAAACATAAGTAACTAA
           AAATACTATAGATTGGCCAAATCTGGGGAAGATGAACATAGCATGCATCTTTTTTGAAAAG

386338     ATAGCTTGAGATGAACATACATCACAGTATTAAACAATTTTAGTTATTTACTTTCTCTTC
           ATTCTAAGAACTTAAGAAGACCTGACAACATCTGGATCAGGGGGTTCCCACCACCCCCCAGG
           CCATGCACCGGTACTGGTCCGTAGCATGTCAGGAACCAGGCCACACGGTAGGAGGTGAGC
           AGTGGGCAAGTGAGCATTACCACCTGAGCTCCACCTCCTGTCAGATCAGCGGTGGCATTA
           GATTCTCATAGGTGTGGGAACCCTATTGTGAACTGTGCATGTGAGGGATCCAGGTTGTGC
           [G,A]
           CTCCTTATGAGAGTCTAATGCCTGATGATCTGAGATGGAACGGATTCATCCTGAAACCAC
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FIGURE 3QQQQQQ

CCGCACTCCTCCGCCCCCTGTCCATGGAAAGATTGTCTTCCACGAAACCAGTCCCTGGTG
CTAAAAAGGTTGGGGACTGCTTATCTAGATCATATGAAACATAAGTAACTAAAAATACTA
TAGATTGGCCCAAATCTGGGGAAGATGAACATAGCATGCATCTTTTTGAAAAGGTAGTTGT
AGTTAAGTAACTATTCAGTTCAGCAAACATACCTTGACTATTTACATAGCCAGAGCACAA

387449   ACATGGTGGAAGGGGCCAACCAGCTCCATCAGGCTTCTTTTATAGGGGTACTAATTCTGT
CAGTGAGTACAGAACGCTCACAACCTAATCACCTCCCAAAGACCTCACTTCTTAATACTA
GTAGCATTGGAGATTAAGTTTCAACATATACATTTTGGAGAAAAACATTCAGACCATTGC
ACTGGGTTAAAGAAAATCAAACTGACCATCATTAGTAGCCTTTGTAAAACCTTTAAAATT
CTATTGTGCACCATGGGGAACAGAATATATACAGGTTGAGTATCACTAATCTGAAATCCA
[C,G]
AGTGCTCCAAAATTCAAAACTTTTTGAGTACCAACATAACACACAAAGGAAATGCTCATTG
GAGCATTTTGGATTTCAAATTTTTCAGATTACAAATGTTCAACCAGTAAGTAGAATGCAGA
TATTCCAAAATCTGTAACATGTCTGGTCCCCAGCATTTCAGATAAGGAATACTCAGCCTG
TATAGTGTTGCCCAAAACTTATTTTGACCATGGAATACTTCTCCTGAACACACTGATTTCT
TAACGGAAATGCTGGCGTGGACCATGAGAAGAGCAGGAGAGCTGCACTTTTCTTGGGAGA

389096   CTTTTCATTAACACTCAGAAGTTCTCTAGGTCATCCCTATCTCATCCAACCATTAGTGAT
CTGGTCAAAACTCTGTCCAAGTTTTCTATATCTCAAGTTTCGTAGTTCTCCAAGCTAGAT
GGAATTGTTTAAGAGACAGGGGAGTACTAAATATAGTAGGGAAATTTTTTCCCAAATGTTG
ACATATACTAGAGGCCCCAAGTTACAAACATTCACATTTTCAGGTGGTCACTACTTCTCTG
ACCATAACTGATCACTAAAGCCGCTTTGTCATTACCATGTAAGCCACCACAAAACAACAA
[T,C]
TTATAGCTCATAGAAAAATCTATAGAAGCAGGCTGGGCTCGGGGGCTCACACCTGTAATC
CCAGGACTTTGAGAGGCCAAGGCGGGCGGATCACAAGGTCAGGAGATCGAGACCATCCTG
GCTAATATGGTGAAACCCCATCTCTACTAAAAATACAAAAAACTAGCCAGGCGTGGTGGC
ACGCGCCCGTAGTCCCAGCTACTCAGGAGGCTTAGGCAGAAGAATCGCTTGAACCCAGGA
GGCGGAGGTTGCAGGGAGCCGAGATTACGCCACTGCACTCCAGCCTGGGTGACAGAACGAG

389998   GGCAAACCGCCCATCTGGCCATGTGAATCAAAACCCAGAAACGTTGAGAGGTTCCAGGCA
GCCTTTTGGTTACCTCTCTTTTTTCTCAACCCTGCTCTTTTTCCAACCCCCGCCCTGGCCA
CCATGGTACACATGCTCATCTGGCCACTCTGTTGGATGTGTTTCCATCAGACTTTACACA
TACCCCTATTAGCAAGATCACTGCACTGTGCAAAAACAGGGAGATATCAGTCATATAGCA
AATGAAATAGTACAGTAATTAATATTTGTCCACTCACATAGTAGGTGCTCAATAAATGTT
[T,C]
CCAACCATTATGTGCCAGGCTCTCTATTCTCTGAGGGAGTCTCAGCTATGAGGGGTGGGG
GAGGTATGCAGGAGAGAGAAAGAGAGCTCCGTCACCTGGCAGGAAATGTAGTGCTCTTTG
CCTCTTCCAGTGATTCTTCAGACTTCTTAGCCTTGCAACCATTGCTTCAAATTCTTGTCC
AGATGAAAGAAGTGCTGCTCAGAAGGGGTGTGGGTGGGGACTCTTCCCACTTGGTCCCTTC
ACCTCCCTTTGTAGAGATCTCCAAGGTCCCCTTAGAACACAGTGGAACCATTGGATAGCC

392964   ACAGGTGTGCACCACCACACGCAGCTAATTTTTATATTTTTAGTAGAGACAAGGTTTCAC
CATGTTAGCCAGGCCCGGTCTCGGAACTGCTGGCCTCAGGTGACCCACCCACCTGAGCCTCC
CAAAGTGCTGGGATTACAGGCGTGAGCCACCATACCTGGAGAGGTTTTGTGTTTTTTGTTT
TTTTTTCATAAAATGCTTTTAATAAATCATATGAAGCATTCATGTTTTTTACTTATACATA
TTTTCAGGGTACCAGTAAACTTTTTTAGTTCAAAGATAGGCCAAATTGTACTTTTTTTTTT
[-,T]
ATGAGACAGAGTCTCGCTGCTCTGTCGCCCAGGCTAGAGTGCAGTGGCGTGATCTAGGCT
CACTGCAAGCTCTGCCTCCTGGGTTTACTTACGCCATTCTCCCGCCTCAGCCTCCTGAGT
AGCTGGGACTACAGGTGCCCACCACCATGCCTGGCTAATTTTTTTTTTTTTTTTTTTTTTA
TTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGATCTCGATCTCCTGACCTCGTGATCC
GCCCGCCTCGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCTACTGCGCCCTGCCGCC

393018   TTTCACCATGTTAGCCAGGCCGGTCTCGAACTGCTGGCCTCAGGTGACCCACCCACCTGA
GCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCATACCTGGAGAGGTTTTGTGTTT
TTGTTTTTTTTTTCATAAAATGCTTTTAATAAATCATATGAAGCATTCATGTTTTTTACTTA
TACATATTTTCAGGGTACCAGTAAACTTTTTTAGTTCAAAGATAGGCCAAATTGTACTTTT
TTTTTTATGAGACAGAGTCTCGCTGCTCTGTCGCCCAGGCTAGAGTGCAGTGGCGTGAT
[C,T]
TAGGCTCACTGCAAGCTCTGCCTCCTGGGTTTACTTACGCCATTCTCCCGCCTCAGCCTC
CTGAGTAGCTGGGACTACAGGTGCCCACCACCATGCCTGGCTAATTTTTTTTTTTTTTTTTT
TTTTTATTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGATCTCGATCTCCTGACCTCG
TGATCCGCCCGCCTCGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCTACTGCGCCCT
GCCGCCAAATTGTAATCTTAAACATATTATGTTGCATTCTAAATATGTATATTTATGCTT

FIGURE 3RRRRRR